

TABLES

TABLE 1-1
SUMMARY OF WELL CONSTRUCTION DETAILS FOR JPL GROUNDWATER MONITORING WELLS

Well Number	Well Type	Year Installed	Drilling Method	Depth to Bottom of Casing (feet)	Depth of Screened Interval (feet)	Elevation Top 4 inch Casing (feet above mean sea level)	Elevation of Screened Interval (feet above mean sea level)	Multi-Port Well Screen Number	Sand Pack (feet)	Screen Slot Size (inch)	Casing Material
MW-1	Shallow Standpipe	1989	Mud Rotary	120	70-110	1116.7	1006.70-1046.70	-	99	0.01	4" PVC
MW-2	Shallow Standpipe	1989	Mud Rotary	177	127-167	1168.85	1001.85-1041.85	-			
MW-3	Deep Multi-Port	1990	Mud Rotary	700	170-180 250-260 344-354 555-565 650-660	1099.82	919.82-929.82 839.82-849.82 745.82-755.82 534.82-544.82 433.82-443.82	1 2 3 4 5	37 47 45 39 64	0.01	4" low-carbon steel
MW-4	Deep Multi-Port	1990	Mud Rotary	559	147-157 237-247 318-328 389-399 509-519	1082.72	925.72-935.72 835.72-845.72 754.72-764.72 683.72-693.72 563.72-573.72	1 2 3 4 5	48 34 42 54 52	0.01	4" low-carbon steel
MW-5	Shallow Standpipe	1990	Air Percussion	140	85-135	1071.6	936.60-986.60	-	71	0.01	4" low-carbon steel
MW-6	Shallow Standpipe	1990	Air Percussion	245	195-245	1188.52	943.52-993.52	-	62	0.01	4" low-carbon steel
MW-7	Shallow Standpipe	1990	Air Percussion	275	225-275	1212.88	937.88-987.88	-	63	0.01	4" low-carbon steel
MW-8	Shallow Standpipe	1992	Air Percussion	205	155-205	1139.53	934.53-984.53	-	75	0.01	4" low-carbon steel
MW-9	Shallow Standpipe	1992	Air Percussion	68	18-68	1106.02	1038.02-1088.02	-	56	0.01	4" PVC
MW-10	Shallow Standpipe	1992	Air Percussion	155	105-155	1087.71	932.71-982.71	-	67.5	0.01	4" PVC (0-85') 4" stainless steel (85'-105')
MW-11	Deep Multi-Port	1992	Mud Rotary	680	140-150 250-260 420-430 515-525 630-640	1139.35	989.35-999.35 879.35-889.35 709.35-719.35 614.35-624.35 499.35-509.35	1 2 3 4 5	24 22 26 26 28	0.01	4" low-carbon steel
MW-12	Deep Multi-Port	1994	Mud Rotary	596	135-145 240-250 315-325 430-440 546-556	1102.14	957.14-967.14 852.14-862.14 777.14-787.14 662.14-672.14 546.14-556.14	1 2 3 4 5	22 19 21 22 21	0.01	4" low-carbon steel
MW-13	Shallow Standpipe	1994	Air Rotary	235	180-230	1183.47	953.47-1003.47	-	65	0.01	4" PVC

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MW-14	Deep Multi-Port	1994	Mud Rotary	588	205-215	1173.42	958.42-968.42	1	22	0.01	4" low-carbon steel
					275-285		888.42-898.42	2	26	0.01	4" low-carbon steel
					380-390		783.42-793.42	3	22	0.01	4" low-carbon steel
					453-463		710.42-720.42	4	27	0.01	4" low-carbon steel
					538-548		625.42-635.42	5	21	0.01	4" low-carbon steel
MW-15	Shallow Standpipe	1994	Air Percussion	74	19-69	1120.66	1051.66-1101.66	-	60	0.01	4" stainless steel
MW-16	Shallow Standpipe	1994	Air Percussion	285	230-280	1236.27	956.27-1006.27	-	62	0.01	4.5" PVC
MW-17	Deep Multi-Port	1995	Mud Rotary	774	246-256	1190.99	934.99-944.99	1	24	0.01	4" low-carbon steel
					366-376		814.99-824.99	2	24	0.01	4" low-carbon steel
					466-476		714.99-724.99	3	27	0.01	4" low-carbon steel
					578-588		602.99-612.99	4	25	0.01	4" low-carbon steel
					723-733		457.99-467.99	5	22	0.01	4" low-carbon steel
MW-18	Deep Multi-Port	1995	Mud Rotary	732	266-276	1225.34	949.34-959.34	1	22	0.01	4" low-carbon steel
					326-336		889.34-899.34	2	24	0.01	4" low-carbon steel
					421-431		794.34-804.34	3	20	0.01	4" low-carbon steel
					561-571		654.34-664.34	4	22	0.01	4" low-carbon steel
					681-691		534.34-544.34	5	23	0.01	4" low-carbon steel
MW-19	Deep Multi-Port	1995	Mud Rotary	543	240-250	1143.2	893.20-903.20	1	20	0.01	4" low-carbon steel
					310-320		823.20-833.20	2	20	0.01	4" low-carbon steel
					390-400		743.20-753.20	3	17	0.01	4" low-carbon steel
					442-452		691.20-701.20	4	20	0.01	4" low-carbon steel
					492-502		641.20-651.20	5	22	0.01	4" low-carbon steel
MW-20	Deep Multi-Port	1995	Mud Rotary	948	228-238	1164.89	926.89-936.89	1	24	0.01	4" low-carbon steel
					388-398		766.89-776.89	2	23	0.01	4" low-carbon steel
					558-568		596.89-606.89	3	19	0.01	4" low-carbon steel
					698-708		456.89-466.89	4	23	0.01	4" low-carbon steel
					898-908		256.89-266.89	5	27	0.01	4" low-carbon steel
MW-21	Deep Multi-Port	1995	Mud Rotary	416	86-96	1058.99	962.99-972.99	1	26	0.01	4" low-carbon steel
					156-166		892.99-902.99	2	25	0.01	4" low-carbon steel
					236-246		812.99-822.99	3	21	0.01	4" low-carbon steel
					306-316		742.99-752.99	4	22	0.01	4" low-carbon steel
					366-376		682.99-692.99	5	22	0.01	4" low-carbon steel

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				(feet)							
MW-22	Deep Multi-Port	1997	Mud Rotary	634	239-249	1176.81	927.81-937.81	1	24	0.01	4" low-carbon steel
					324-334		842.81-852.81	2	21	0.01	4" low-carbon steel
					384-394		782.81-792.81	3	22	0.01	4" low-carbon steel
					464-474		702.81-712.81	4	23	0.01	4" low-carbon steel
					584-594		582.81-592.81	5	22	0.01	4" low-carbon steel
MW-23	Deep Multi-Port	1997	Mud Rotary	590	170-180	1108.34	928.34-938.34	1	23	0.01	4" low-carbon steel
					250-260		843.34-858.34	2	20.5	0.01	4" low-carbon steel
					315-325		783.34-793.34	3	18	0.01	4" low-carbon steel
					440-450		658.34-668.34	4	25	0.01	4" low-carbon steel
					540-550		558.34-568.34	5	22.5	0.01	4" low-carbon steel
MW-24	Deep Multi-Port	1997	Mud Rotary	725	275-285	1200.91	915.91-925.91	1	25	0.01	4" low-carbon steel
					370-380		820.91-830.91	2	50	0.01	4" low-carbon steel
					430-440		760.91-770.91	3	25	0.01	4" low-carbon steel
					550-560		640.91-650.91	4	19	0.01	4" low-carbon steel
					675-685		515.91-525.91	5	16	0.01	4" low-carbon steel

TABLE 3-1
SUMMARY OF ANALYSES PERFORMED ON GROUNDWATER SAMPLES
COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

Sample Location	VOCs (524.2)	Total Cr (200.8)	Hexavalent Cr (7196)	Perchlorate (CADHS/EPA 314)	Lead (200.8)	Arsenic (200.9)	NDMA (1625M)	1,4-Dioxane (8270)	Major Anions and Cations	Total Dissolved Solids (160.1)	pH (150.1)
MW-1	X	X	X	X	X	X			X	X	X
MW-3											
Screen 1	X	X	X	X	X	X			X	X	X
Screen 2	X	X	X	X	X	X			X	X	X
Screen 3	X	X	X	X	X	X			X	X	X
Screen 4	X	X	X	X	X	X			X	X	X
Screen 5	X	X	X	X	X	X			X	X	X
MW-4											
Screen 1	X	X	X	X	X	X	X	X	X	X	X
Screen 2	X	X	X	X	X	X			X	X	X
Screen 3	X	X	X	X	X	X			X	X	X
Screen 4	X	X	X	X	X	X			X	X	X
Screen 5											
MW-5	X	X	X	X	X	X			X	X	X
MW-6	X	X	X	X	X	X			X	X	X
MW-7	X	X	X	X	X	X			X	X	X
MW-8	X	X	X	X	X	X			X	X	X
MW-9	X	X	X	X	X	X			X	X	X
MW-10	X	X	X	X	X	X			X	X	X
MW-11											
Screen 1	X	X	X	X	X	X			X	X	X
Screen 2	X	X	X	X	X	X			X	X	X
Screen 3	X	X	X	X	X	X			X	X	X
Screen 4	X	X	X	X	X	X			X	X	X
Screen 5	X	X	X	X	X	X			X	X	X
MW-12											
Screen 1	X	X	X	X	X	X			X	X	X
Screen 2	X	X	X	X	X	X			X	X	X
Screen 3	X	X	X	X	X	X			X	X	X
Screen 4	X	X	X	X	X	X			X	X	X
Screen 5	X	X	X	X	X	X			X	X	X
MW-13	X	X	X	X	X	X	X	X	X	X	X
MW-14											
Screen 1	X	X	X	X	X	X			X	X	X
Screen 2	X	X	X	X	X	X			X	X	X
Screen 3	X	X	X	X	X	X			X	X	X
Screen 4	X	X	X	X	X	X			X	X	X
Screen 5	X	X	X	X	X	X			X	X	X
MW-15	X	X	X	X	X	X			X	X	X
MW-16	X	X	X	X	X	X	X	X	X	X	X
MW-17	X	X	X	X	X	X			X	X	X
Screen 1	X	X	X	X	X	X			X	X	X
Screen 2	X	X	X	X	X	X			X	X	X
Screen 3	X	X	X	X	X	X			X	X	X
Screen 4	X	X	X	X	X	X	X	X	X	X	X
Screen 5	X	X	X	X	X	X			X	X	X

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APRIL - MAY 2004

Sample Location	VOCs (524.2)	Total Cr (200.8)	Hexavalent Cr (7196)	Perchlorate (CADHS/EPA 314)	Lead (200.8)	Arsenic (200.9)	NDMA (1625M)	1,4-Dioxane (8270)	Major Anions and Cations	Total Dissolved Solids (160.1)	pH (150.1)
MW-18											
Screen 1	x	x	x	x	x	x			x	x	x
Screen 2	x	x	x	x	x	x			x	x	x
Screen 3	x	x	x	x	x	x			x	x	x
Screen 4	x	x	x	x	x	x			x	x	x
Screen 5	x	x	x	x	x	x			x	x	x
MW-19											
Screen 1	x	x	x	x	x	x			x	x	x
Screen 2	x	x	x	x	x	x			x	x	x
Screen 3	x	x	x	x	x	x			x	x	x
Screen 4	x	x	x	x	x	x			x	x	x
Screen 5	x	x	x	x	x	x			x	x	x
MW-20											
Screen 1	x	x	x	x	x	x			x	x	x
Screen 2	x	x	x	x	x	x			x	x	x
Screen 3	x	x	x	x	x	x			x	x	x
Screen 4	x	x	x	x	x	x			x	x	x
Screen 5	x	x	x	x	x	x			x	x	x
MW-21											
Screen 1	x	x	x	x	x	x			x	x	x
Screen 2	x	x	x	x	x	x			x	x	x
Screen 3	x	x	x	x	x	x			x	x	x
Screen 4	x	x	x	x	x	x			x	x	x
Screen 5	x	x	x	x	x	x			x	x	x
MW-22											
Screen 1	x	x	x	x	x	x			x	x	x
Screen 2	x	x	x	x	x	x			x	x	x
Screen 3	x	x	x	x	x	x			x	x	x
Screen 4	x	x	x	x	x	x			x	x	x
Screen 5	x	x	x	x	x	x			x	x	x
MW-23											
Screen 1	x	x	x	x	x	x			x	x	x
Screen 2	x	x	x	x	x	x			x	x	x
Screen 3	x	x	x	x	x	x			x	x	x
Screen 4	x	x	x	x	x	x			x	x	x
Screen 5	x	x	x	x	x	x			x	x	x
MW-24											
Screen 1	x	x	x	x	x	x	x	x	x	x	x
Screen 2	x	x	x	x	x	x			x	x	x
Screen 3	x	x	x	x	x	x			x	x	x
Screen 4	x	x	x	x	x	x			x	x	x
Screen 5	x	x	x	x	x	x			x	x	x

TABLE 3-2
LOCATION OF JPL WELLS AND WELL SCREENS IN AQUIFER LAYERS

Well Number	AQUIFER LAYERS			
	Layer 1	Layer 2	Layer 3	Layer 4
MW-1	x			
MW-3				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
MW-4				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4		x		
Screen 5			x	
MW-5	x			
MW-6	x			
MW-7	x			
MW-8	x			
MW-9	x			
MW-10	x			
MW-11				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4		x		
Screen 5			x	
MW-12				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4		x		
Screen 5			x	
MW-13	x			
MW-14				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	
MW-15	x			
MW-16	x			
MW-17				
Screen 1	x			
Screen 2		x		
Screen 3		x		
Screen 4			x	
Screen 5			x	

TABLE 3-2
LOCATION OF JPL WELLS AND WELL SCREENS IN AQUIFER LAYERS

Well Number	AQUIFER LAYERS			
	Layer 1	Layer 2	Layer 3	Layer 4
MW-18				
Screen 1	X			
Screen 2	X			
Screen 3		X		
Screen 4			X	
Screen 5			X	
MW-19				
Screen 1	X			
Screen 2		X		
Screen 3		X		
Screen 4			X	
Screen 5			X	
MW-20				
Screen 1	X			
Screen 2		X		
Screen 3			X	
Screen 4			X	
Screen 5				X
MW-21				
Screen 1	X			
Screen 2		X		
Screen 3		X		
Screen 4			X	
Screen 5			X	
MW-22				
Screen 1	X			
Screen 2		X		
Screen 3		X		
Screen 4			X	
Screen 5			X	
MW-23				
Screen 1	X			
Screen 2		X		
Screen 3		X		
Screen 4			X	
Screen 5			X	
MW-24				
Screen 1	X			
Screen 2		X		
Screen 3		X		
Screen 4			X	
Screen 5			X	

TABLE 3-3
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN
GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-1	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 1	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 1	DUPE-1-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 2	MW-3-2	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15.5 J	
MW-3 Screen 3	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 4	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 5	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-4 Screen 1	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 2	MW-4-2	0.5 U	0.7	0.8	0.4 J	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-4 Screen 2	DUPE-3-2Q04	0.5 U	1.3	1.5	0.7	0.5 U	0.5 U	0.5 U	0.5 J	4.0 U	
MW-4 Screen 3	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 4.1 Styrene 0.6 Toluene 0.5
MW-4 Screen 4	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 5	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 0.3J
MW-5	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-6	MW-6	0.5 U	0.5 U	2.1	0.8	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	
MW-7	MW-7	62.7 J	6.8	15.6	0.5 U	0.5 U	7.6	5.8	15.9	4680.0	Bromodichloromethane 0.4J Toluene 0.8
MW-7	DUPE-7-2Q04	65.1	7.1	16.3	0.5 U	0.5 U	7.9	6.0	16.3	4430.0	Bromodichloromethane 0.4J Toluene 0.8
MW-8	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-9	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-10	MW-10	0.5 U	13.4	2.0	1.1	0.5 U	0.5 U	0.5 U	1.3	13.5	
MW-11 Screen 1	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	DUPE-5-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 5	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methylene Chloride 0.6
MW-12 Screen 1	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 3	MW-12-3	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.6	4.0 U	
MW-12 Screen 4	MW-12-4	1.1	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.4	
MW-12 Screen 4	DUPE-4-2Q04	2.2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.5	
MW-12 Screen 5	MW-12-5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-13	MW-13	1.4	7.4	1.2	0.6	0.5 U	0.5 U	0.5 U	1.7	205.0	1,4-Dioxane 5.3

TABLE 3-3
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN
GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-14 Screen 1	MW-14-1	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.6 J	
MW-14 Screen 2	MW-14-2	0.5 U	4.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.7 J	
MW-14 Screen 3	MW-14-3	0.5 U	0.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	6.6	
MW-14 Screen 4	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.0	
MW-14 Screen 5	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	DUPE-6-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-16	MW-16	1.0	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	929.0	1,4-Dioxane 3.1
MW-17 Screen 1	MW-17-1	0.5 U	2.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 UJ	
MW-17 Screen 2	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	12.5 J	
MW-17 Screen 3	MW-17-3	4.7	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	8.0 UJ	
MW-17 Screen 4	MW-17-4	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 UJ	
MW-17 Screen 5	MW-17-5	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 1	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 2	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 3	MW-18-3	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	2.7 J	
MW-18 Screen 4	MW-18-4	2.1	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	8.1 J	
MW-18 Screen 5	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-19 Screen 1	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 2	MW-19-2	0.5 U	0.3 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.5	Bromodichloromethane 0.4J
MW-19 Screen 3	MW-19-3	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3 J	
MW-19 Screen 4	MW-19-4	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-19 Screen 5	MW-19-5	0.5 U	0.5 U	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 2	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	4.0 U	
MW-20 Screen 3	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J
MW-21 Screen 1	MW-21-1	0.5 U	0.9	0.4 J	0.6	0.5 U	0.5 U	0.5 U	0.7	5.6	
MW-21 Screen 2	MW-21-2	0.5 U	0.6	1.3	0.5 U	0.5 U	0.5 U	0.5 U	3.8 J	cis-1,2-Dichloroethene 0.3J	
MW-21 Screen 3	MW-21-3	0.5 U	1.0	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.3	cis-1,2-Dichloroethene 0.3J
MW-21 Screen 4	MW-21-4	0.5 U	0.5 U	2.8	0.5 U	0.5 U	0.5 U	0.5 U	2.2	4.2	cis-1,2-Dichloroethene 0.7
MW-21 Screen 5	MW-21-5	0.5 U	0.5 J	6.4	0.5 U	0.5 U	0.5 U	0.5 U	2.6	3.6 J	
MW-22 Screen 1	MW-22-1	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 2	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 3	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 4	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	

TABLE 3-3
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED IN
GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-22 Screen 5	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 5	DUPE-2-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 1	MW-23-1	0.5 U	1.2	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 U	
MW-23 Screen 2	MW-23-2	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	5.4	
MW-23 Screen 3	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 4	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 5	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U		Styrene Vinyl Chloride 0.4J 0.6
MW-24 Screen 1	MW-24-1	8.3	1.9	0.8	0.5 U	0.5 U	0.5 U	3.9	2240.0		1,4-Dioxane 3.2
MW-24 Screen 2	MW-24-2	1.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	110.0		
MW-24 Screen 3	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 4	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 5	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
California Maximum Contaminant Level (MCL)		0.5	5.0	5.0	5.0	0.5	6.0	1200.0	100.0	6.0*	
EPA Region IX Maximum Contaminant Level		5.0	5.0	5.0	NE	5.0	7.0	NE	100.0	NE	

Notes

DUPE

Field Duplicate

J

Indicates an estimated value.

NE

Not established

U

Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

UJ

Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

*

Interim Action Level - California Department of Health Services

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-1	April/May 2003	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J
MW-1	Oct/Nov 2003	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-1	April/May 2004	MW-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 1	April/May 2003	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-3 Screen 1	Oct/Nov 2003	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 1	April/May 2004	MW-3-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 1	April/May 2004	DUPE-1-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 2	Jan/Feb 2003	MW-3-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 2	April/May 2003	MW-3-2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 2	April/May 2003	DUPE-5-2Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.8	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 2	July/Aug 2003	MW-3-2	0.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.9 J	
MW-3 Screen 2	Oct/Nov 2003	MW-3-2	0.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5.6 J	
MW-3 Screen 2	Feb 2004	MW-3-2	1.0	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.3	
MW-3 Screen 2	Feb 2004	DUPE-1-1Q04	1.0	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10.4	
MW-3 Screen 2	April/May 2004	MW-3-2	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	15.5 J	
MW-3 Screen 3	Jan/Feb 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.0 U	
MW-3 Screen 3	April/May 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 3	July/Aug 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 3	Oct/Nov 2003	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.0 U	
MW-3 Screen 3	Feb 2004	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-3 Screen 3	April/May 2004	MW-3-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 4	Jan/Feb 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	April/May 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-3 Screen 4	July/Aug 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	Oct/Nov 2003	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	Feb 2004	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-3 Screen 4	April/May 2004	MW-3-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-3 Screen 5	April/May 2003	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J Styrene 0.4J Ethylbenzene 0.7
MW-3 Screen 5	Oct/Nov 2003	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	2-Butanone 5.0J Ethylbenzene 1.3 Styrene 0.8
MW-3 Screen 5	April/May 2004	MW-3-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-4 Screen 1	Jan/Feb 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	April/May 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	July/Aug 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 1	Oct/Nov 2003	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-4 Screen 1	Feb 2004	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8 J	
MW-4 Screen 1	April/May 2004	MW-4-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 2	Jan/Feb 2003	MW-4-2	0.5 U	1.2	0.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 J	4.0 U	
MW-4 Screen 2	April/May 2003	MW-4-2	0.5 U	0.4 J	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.6	
MW-4 Screen 2	July/Aug 2003	MW-4-2	0.5 U	0.7	1.3	0.6	0.5 U	0.5 U	0.5 U	0.5 J	9.0	
MW-4 Screen 2	Oct/Nov 2003	MW-4-2	0.5 U	0.6	1.0	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	4.3 J	
MW-4 Screen 2	Feb 2004	MW-4-2	0.5 U	0.7	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.6 J	
MW-4 Screen 2	April/May 2004	MW-4-2	0.5 U	0.7	0.8	0.4 J	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-4 Screen 2	April/May 2004	DUPE-3-2Q04	0.5 U	1.3	1.5	0.7	0.5 U	0.5 U	0.5 U	0.5 J	4.0 U	
MW-4 Screen 3	Jan/Feb 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 2.3 Toluene 0.4J
MW-4 Screen 3	April/May 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Chloromethane 1.8 Toluene 0.3J Ethylbenzene 1.9
MW-4 Screen 3	July/Aug 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 4.5 Styrene 0.5J Toluene 0.6
MW-4 Screen 3	Oct/Nov 2003	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 3.7 Styrene 0.5J Toluene 0.5
MW-4 Screen 3	Feb 2004	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 4.6 Styrene 0.4J Toluene 0.6
MW-4 Screen 3	April/May 2004	MW-4-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 4.1 Styrene 0.6 Toluene 0.5
MW-4 Screen 4	April/May 2003	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 4	April/May 2003	DUPE-1-2Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 4	Oct/Nov 2003	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J Chloroethane 2.0 Chloromethane 0.4J
MW-4 Screen 4	April/May 2004	MW-4-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 5	April/May 2003	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 5	Oct/Nov 2003	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-4 Screen 5	Oct/Nov 2003	DUPE-3-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J
MW-4 Screen 5	April/May 2004	MW-4-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Ethylbenzene 0.3J
MW-5	Jan/Feb 2003	MW-5	1.6	14.9	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1.4	25.2	
MW-5	April/May 2003	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-5	July/Aug 2003	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-5	Oct/Nov 2003	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-5	Feb 2004	MW-5	0.4 J	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	34.2	
MW-5	April/May 2004	MW-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-6	Jan/Feb 2003	MW-6	0.5 U	0.5 U	2.6	0.8	0.5 U	0.7	0.5 U	0.4 J	3.8 J	
MW-6	April/May 2003	MW-6	0.5 U	0.5 U	3.0	0.9	0.5 U	0.7	0.5 U	0.5 J	2.3 J	4-Methyl-2-Pentanone 4.0J
MW-6	July/Aug 2003	MW-6	0.5 U	0.5 U	2.3	0.7	0.5 U	0.5 U	0.5 U	0.3 J	2.9 J	
MW-6	Oct/Nov 2003	MW-6	0.5 U	0.5 U	3.0	0.9	0.5 U	0.8	0.5 U	0.3 J	3.6 J	
MW-6	Feb 2004	MW-6	0.5 U	0.5 U	2.6	0.8	0.5 U	0.7	0.5 U	0.5 J	4.0 U	
MW-6	April/May 2004	MW-6	0.5 U	0.5 U	2.1	0.8	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	
MW-7	Jan/Feb 2003	MW-7	102.0	4.4	11.8	0.5 U	0.5 U	6.1	4.2	12.9	5200.0	
MW-7	Jan/Feb 2003	DUPE-6-1Q03	122.0	4.8	13.5	0.5 U	0.5 U	6.4	4.2	12.3	6190.0	
MW-7	April/May 2003	MW-7	73.7	8.1	9.9	0.5 U	0.5 U	4.2	3.6	10.0	5560.0	4-Methyl-2-Pentanone 6.0J Methylene Chloride 2.3
MW-7	July/Aug 2003	MW-7	40.4	4.5	4.9	0.5 U	0.5 U	2.2	2.2	6.8	1920.0 J	
MW-7	Oct/Nov 2003	MW-7	42.0	5.0	7.2	0.5 U	0.5 U	3.2	2.4	9.9	2400.0 J	
MW-7	Feb 2004	MW-16	94.7	8.2	30.2	0.5 U	0.5 U	10.5	8.6	26.3	7690.0	
MW-7	April/May 2004	MW-7	62.7 J	6.8	15.6	0.5 U	0.5 U	7.6	5.8	15.9	4680.0	Bromodichloromethane 0.4J Toluene 0.8
MW-7	April/May 2004	DUPE-7-2Q04	65.1	7.1	16.3	0.5 U	0.5 U	7.9	6.0	16.3	4430.0	Bromodichloromethane 0.4J Toluene 0.8
MW-8	Jan/Feb 2003	MW-8	4.3	2.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	45.0	
MW-8	April/May 2003	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	4-Methyl-2-Pentanone 5.0J
MW-8	July/Aug 2003	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	9.7 J	
MW-8	Oct/Nov 2003	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20.2 J	
MW-8	Oct/Nov 2003	DUPE-7-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20.2 J	
MW-8	Feb 2004	MW-8	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	32.6	
MW-8	April/May 2004	MW-8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-9	April/May 2003	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-9	Oct/Nov 2003	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0 J	
MW-9	April/May 2004	MW-9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-10	Jan/Feb 2003	MW-10	0.5 U	2.5	1.3	0.5 J	0.5 U	0.5 U	0.5 U	0.5	3.5 J	
MW-10	April/May 2003	MW-10	0.2 J	11.2	1.3	0.8	0.5 U	0.5 U	0.5 U	1.1	17.5	4-Methyl-2-Pentanone 6.0J
MW-10	July/Aug 2003	MW-10	0.3 J	12.3	0.9	0.6	0.5 U	0.5 U	0.5 U	1.3	43.6 J	
MW-10	Oct/Nov 2003	MW-10	0.5 U	10.8	1.5	0.9	0.5 U	0.5 U	0.5 U	1.2	21.9 J	
MW-10	Feb 2004	MW-10	0.5 U	4.9	1.7	0.8	0.5 U	0.5 U	0.5 U	0.9	5.1	
MW-10	April/May 2004	MW-10	0.5 U	13.4	2.0	1.1	0.5 U	0.5 U	0.5 U	1.3	13.5	
MW-11 Screen 1	Jan/Feb 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	
MW-11 Screen 1	April/May 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 6.0J
MW-11 Screen 1	July/Aug 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 1	Oct/Nov 2003	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 1	Feb 2004	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-11 Screen 1	April/May 2004	MW-11-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	Jan/Feb 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	3.6 J	
MW-11 Screen 2	April/May 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 6.0J
MW-11 Screen 2	July/Aug 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	Oct/Nov 2003	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	Feb 2004	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 2	April/May 2004	MW-11-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	Jan/Feb 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.1 J	
MW-11 Screen 3	April/May 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 6.0J
MW-11 Screen 3	July/Aug 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	Oct/Nov 2003	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J Chloroethane 1.4 Chloromethane 0.4J
MW-11 Screen 3	Feb 2004	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	April/May 2004	MW-11-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 3	April/May 2004	DUPE-5-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	Jan/Feb 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.8	
MW-11 Screen 4	April/May 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 7.0J
MW-11 Screen 4	July/Aug 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 0.3J
MW-11 Screen 4	Oct/Nov 2003	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	Feb 2004	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	Feb 2004	DUPE-5-1Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 4	April/May 2004	MW-11-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 5	April/May 2003	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 7.0J
MW-11 Screen 5	Oct/Nov 2003	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-11 Screen 5	April/May 2004	MW-11-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Methylene Chloride 0.6
MW-12 Screen 1	Jan/Feb 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9 J	1,3-Dichloropropane 0.6
MW-12 Screen 1	April/May 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 8.0J
MW-12 Screen 1	July/Aug 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	Oct/Nov 2003	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	Oct/Nov 2003	DUPE-4-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	Feb 2004	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 1	April/May 2004	MW-12-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	Jan/Feb 2003	MW-12-2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	1,3-Dichloropropane 0.5
MW-12 Screen 2	Jan/Feb 2003	DUPE-4-1Q03	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.6 J	1,3-Dichloropropane 0.6
MW-12 Screen 2	April/May 2003	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	4-Methyl-2-Pentanone 5.0J
MW-12 Screen 2	July/Aug 2003	MW-12-2	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.4 J	
MW-12 Screen 2	Oct/Nov 2003	MW-12-2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 2	Feb 2004	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-12 Screen 2	April/May 2004	MW-12-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 3	Jan/Feb 2003	MW-12-3	4.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	1.8 J	
MW-12 Screen 3	April/May 2003	MW-12-3	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	2.8 J	
MW-12 Screen 3	April/May 2003	DUPE-6-2Q03	2.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2	3.4 J	4-Methyl-2-Pentanone 4.0J
MW-12 Screen 3	July/Aug 2003	MW-12-3	5.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	2.8 J	
MW-12 Screen 3	Oct/Nov 2003	MW-12-3	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	4.0 U	
MW-12 Screen 3	Feb 2004	MW-12-3	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	4.0 U	
MW-12 Screen 3	April/May 2004	MW-12-3	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.6	4.0 U	
MW-12 Screen 4	Jan/Feb 2003	MW-12-4	2.3	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	1.9 J
MW-12 Screen 4	April/May 2003	MW-12-4	1.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	3.6 J
MW-12 Screen 4	July/Aug 2003	MW-12-4	1.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	5.6
MW-12 Screen 4	Oct/Nov 2003	MW-12-4	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.8 J
MW-12 Screen 4	Feb 2004	MW-12-4	2.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U
MW-12 Screen 4	April/May 2004	MW-12-4	1.1	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.4
MW-12 Screen 4	April/May 2004	DUPE-4-2Q04	2.2	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.5	
MW-12 Screen 5	Jan/Feb 2003	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-12 Screen 5	April/May 2003	MW-12-5	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.2 J	4-Methyl-2-Pentanone 7.0J
MW-12 Screen 5	July/Aug 2003	MW-12-5	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9 J	
MW-12 Screen 5	Oct/Nov 2003	MW-12-5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 5	Feb 2004	MW-12-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 5	DUPE-6-1Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-12 Screen 5	April/May 2004	MW-12-5	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-13	Jan/Feb 2003	MW-13	0.8	1.2	1.0	0.8	0.5 U	0.5 U	0.5 U	0.7	68.1	
MW-13	April/May 2003	MW-13	1.3	9.2	1.0	0.4 J	0.5 U	0.5 U	0.5 U	1.5	147.0	4-Methyl-2-Pentanone 5.0J
MW-13	July/Aug 2003	MW-13	1.0	20.0	0.8	0.5 U	0.5 U	0.5 U	0.5 U	3.3	159.0 J	Bromodichloromethane 0.4J Chlorodibromomethane 0.8
MW-13	Oct/Nov 2003	MW-13	1.5	9.0	0.9	0.4 J	0.5 U	0.5 U	0.5 U	1.7	223.0 J	
MW-13	Feb 2004	MW-13	0.8	1.0	1.1	0.7	0.5 U	0.5 U	0.5 U	0.7	112.0	
MW-13	April/May 2004	MW-13	1.4	7.4	1.2	0.6	0.5 U	0.5 U	0.5 U	1.7	205.0	1,4-Dioxane 5.3
MW-14 Screen 1	Jan/Feb 2003	MW-14-1	0.5 U	0.5 U	0.9	0.5	0.5 U	0.5 U	0.5 U	0.4 J	1.9 J	Methylene Chloride 0.5J
MW-14 Screen 1	April/May 2003	MW-14-1	0.5 U	1.3	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	2.8 J	
MW-14 Screen 1	July/Aug 2003	MW-14-1	0.5 U	3.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.8 J	Methylene Chloride 0.5J
MW-14 Screen 1	Oct/Nov 2003	MW-14-1	0.5 U	0.5 U	0.4 J	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	6.6 J	
MW-14 Screen 1	Feb 2004	MW-14-1	0.5 U	0.5 U	0.6	0.4 J	0.5 U	0.5 U	0.5 U	0.3 J	2.3 J	
MW-14 Screen 1	DUPE-3-1Q04	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 1	April/May 2004	MW-14-1	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.6 J	
MW-14 Screen 2	Jan/Feb 2003	MW-14-2	0.5 U	6.2	0.7	0.4 J	0.5 U	0.5 U	0.5 U	0.6	2.6 J	
MW-14 Screen 2	April/May 2003	MW-14-2	0.5 U	3.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.3 J	
MW-14 Screen 2	July/Aug 2003	MW-14-2	0.5 U	1.0	0.5 J	0.3 J	0.5 U	0.5 U	0.5 U	0.4 J	5.4	Methylene Chloride 0.4J
MW-14 Screen 2	Oct/Nov 2003	MW-14-2	0.5 U	4.6	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	4.7 J	

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BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-14 Screen 2	Feb 2004	MW-14-2	0.5 U	5.9	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	4.0 U	
MW-14 Screen 2	April/May 2004	MW-14-2	0.5 U	4.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.7 J	
MW-14 Screen 3	Jan/Feb 2003	MW-14-3	0.5 U	1.1	0.5	0.3 J	0.5 U	0.5 U	0.5 U	0.5 J	2.9 J	
MW-14 Screen 3	April/May 2003	MW-14-3	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	5.7	
MW-14 Screen 3	April/May 2003	DUPE-2-2Q03	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	5.4	
MW-14 Screen 3	July/Aug 2003	MW-14-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0 J	Methylene Chloride 0.3J
MW-14 Screen 3	July/Aug 2003	DUPE-4-3-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 J	Methylene Chloride 0.8
MW-14 Screen 3	Oct/Nov 2003	MW-14-3	0.5 U	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	7.2 J	
MW-14 Screen 3	Feb 2004	MW-14-3	0.5 U	0.8	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	
MW-14 Screen 3	April/May 2004	MW-14-3	0.5 U	0.8	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	6.6	
MW-14 Screen 4	Jan/Feb 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	
MW-14 Screen 4	Jan/Feb 2003	DUPE-3-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	
MW-14 Screen 4	April/May 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	
MW-14 Screen 4	July/Aug 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3 J	
MW-14 Screen 4	Oct/Nov 2003	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.4 J	
MW-14 Screen 4	Feb 2004	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 4	April/May 2004	MW-14-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	8.0	
MW-14 Screen 5	Jan/Feb 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	April/May 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	July/Aug 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	Oct/Nov 2003	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	Feb 2004	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-14 Screen 5	April/May 2004	MW-14-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	April/May 2003	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J Methylene Chloride 2.6
MW-15	Oct/Nov 2003	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	Oct/Nov 2003	DUPE-2-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	April/May 2004	MW-15	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-15	April/May 2004	DUPE-6-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-16	Jan/Feb 2003	MW-16	1.4	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	97.2	
MW-16	April/May 2003	MW-16	2.9	1.6	0.5 U	0.5 U	0.9	0.5 U	0.5 U	3.8	1810.0	4-Methyl-2-Pentanone 4.0J
MW-16	July/Aug 2003	MW-16	1.9	3.7	0.5 U	0.5 U	0.5 U	0.5 U	3.5	1520.0 J	Chlorodibromomethane 0.4J	
MW-16	Oct/Nov 2003	MW-16	3.1	1.9	0.5 U	0.5 U	0.5 U	0.5 U	4.6	1360.0 J		
MW-16	Feb 2004	MW-7	1.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	3.1	1630.0		
MW-16	April/May 2004	MW-16	1.0	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	1.6	929.0	1,4-Dioxane 3.1	
MW-17 Screen 1	April/May 2003	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-17 Screen 1	Oct/Nov 2003	MW-17-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 1	April/May 2004	MW-17-1	0.5 U	2.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 UJ	

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-17 Screen 2	Jan/Feb 2003	MW-17-2	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.4 J	
MW-17 Screen 2	April/May 2003	MW-17-2	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.1	4-Methyl-2-Pentanone 5.0J
MW-17 Screen 2	July/Aug 2003	MW-17-2	0.7	3.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	10.9 J	
MW-17 Screen 2	Oct/Nov 2003	MW-17-2	1.0	6.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1	15.7 J	
MW-17 Screen 2	Feb 2004	MW-17-2	0.7	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	16.2	
MW-17 Screen 2	April/May 2004	MW-17-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	12.5 J	
MW-17 Screen 3	Jan/Feb 2003	MW-17-3	13.1	3.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	3.1	4.0 U	1,1,2-Trichlorotrifluoroethane 0.5J
MW-17 Screen 3	April/May 2003	MW-17-3	6.4	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.7	126.0	4-Methyl-2-Pentanone 3.0J
MW-17 Screen 3	July/Aug 2003	MW-17-3	13.0	3.8	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	3.6	209.0 J	
MW-17 Screen 3	Oct/Nov 2003	MW-17-3	11.0	3.1	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	2.6	199.0 J	
MW-17 Screen 3	Oct/Nov 2003	DUPE-5-4-Q03	13.7	3.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	3.1	193.0 J	
MW-17 Screen 3	Feb 2004	MW-17-3	9.6	3.6	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	3.1	162.0	
MW-17 Screen 3	April/May 2004	MW-17-3	4.7	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	8.0 UJ	
MW-17 Screen 4	Jan/Feb 2003	MW-17-4	0.5 U	4.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-17 Screen 4	April/May 2003	MW-17-4	0.5 U	6.2	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	6.5	4-Methyl-2-Pentanone 4.0J
MW-17 Screen 4	July/Aug 2003	MW-17-4	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 4	Oct/Nov 2003	MW-17-4	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 4	Feb 2004	MW-17-4	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-17 Screen 4	April/May 2004	MW-17-4	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.0 UJ	
MW-17 Screen 5	April/May 2003	MW-17-5	0.5 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.6 J	4-Methyl-2-Pentanone 3.0J
MW-17 Screen 5	Oct/Nov 2003	MW-17-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-17 Screen 5	April/May 2004	MW-17-5	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 1	April/May 2003	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-18 Screen 1	Oct/Nov 2003	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 1	April/May 2004	MW-18-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 2	Jan/Feb 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	April/May 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-18 Screen 2	July/Aug 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	Oct/Nov 2003	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	Feb 2004	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 2	April/May 2004	MW-18-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-18 Screen 3	Jan/Feb 2003	MW-18-3	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.6	4.0 U	
MW-18 Screen 3	April/May 2003	MW-18-3	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.2	1.3 J	4-Methyl-2-Pentanone 4.0J
MW-18 Screen 3	July/Aug 2003	MW-18-3	0.5 U	0.4 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.5	1.3 J	
MW-18 Screen 3	Oct/Nov 2003	MW-18-3	0.5 U	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.1	4.0 U	
MW-18 Screen 3	Feb 2004	MW-18-3	0.4 J	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	
MW-18 Screen 3	April/May 2004	MW-18-3	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	2.7 J	
MW-18 Screen 4	Jan/Feb 2003	MW-18-4	6.7	2.6	4.8	0.5 U	0.5 U	0.5 U	0.5 U	1.3	24.6	
MW-18 Screen 4	April/May 2003	MW-18-4	2.4	1.0	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.9	23.9	4-Methyl-2-Pentanone 7.0J

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-18 Screen 4	April/May 2003	DUPE-7-2Q03	2.4	0.9	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.8	23.8	4-Methyl-2-Pentanone 6.0J
MW-18 Screen 4	July/Aug 2003	MW-18-4	3.3	1.1	1.9	0.5 U	0.5 U	0.5 U	0.5 U	1.0	15.0	
MW-18 Screen 4	Oct/Nov 2003	MW-18-4	3.4	1.0	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.8	17.2 J	
MW-18 Screen 4	Feb 2004	MW-18-4	3.1	0.8	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.8	11.0	
MW-18 Screen 4	April/May 2004	MW-18-4	2.1	0.8	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	8.1 J	
MW-18 Screen 5	Jan/Feb 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	April/May 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-18 Screen 5	July/Aug 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	Oct/Nov 2003	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	Feb 2004	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-18 Screen 5	April/May 2004	MW-18-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 UJ	
MW-19 Screen 1	Jan/Feb 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	April/May 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	July/Aug 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Oct/Nov 2003	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	Feb 2004	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 1	April/May 2004	MW-19-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 2	Jan/Feb 2003	MW-19-2	0.5 U	1.1	2.0	0.4 J	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-19 Screen 2	April/May 2003	MW-19-2	0.5 U	0.4 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.3	
MW-19 Screen 2	July/Aug 2003	MW-19-2	0.5 U	0.6	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.6	3.6 J	Bromodichloromethane 0.4J Chlorodibromomethane 0.6
MW-19 Screen 2	Oct/Nov 2003	MW-19-2	0.5 U	0.3 J	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.8	4.4 J	Bromodichloromethane 0.5 Chlorodibromomethane 0.4J
MW-19 Screen 2	Feb 2004	MW-19-2	0.5 U	0.5 J	1.6	0.4 J	0.5 U	0.5 U	0.5 U	1.2	6.8	Bromodichloromethane 0.7 Chlorodibromomethane 1.3
MW-19 Screen 2	April/May 2004	MW-19-2	0.5 U	0.3 J	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.5	Bromodichloromethane 0.4J
MW-19 Screen 3	Jan/Feb 2003	MW-19-3	0.5 U	0.5 J	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.0 U	
MW-19 Screen 3	April/May 2003	MW-19-3	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.6 J	
MW-19 Screen 3	July/Aug 2003	MW-19-3	0.5 U	0.4 J	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.0 J	Chlorodibromomethane 0.4J
MW-19 Screen 3	Oct/Nov 2003	MW-19-3	0.5 U	0.3 J	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	5.1 J	
MW-19 Screen 3	Feb 2004	MW-19-3	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.2	Chlorodibromomethane 0.9
MW-19 Screen 3	Feb 2004	DUPE-2-1Q04	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	5.3	Chlorodibromomethane 0.9
MW-19 Screen 3	April/May 2004	MW-19-3	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.3 J	
MW-19 Screen 4	Jan/Feb 2003	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0	4.0 U	
MW-19 Screen 4	Jan/Feb 2003	DUPE-2-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	4.0 U	
MW-19 Screen 4	April/May 2003	MW-19-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-19 Screen 4	July/Aug 2003	MW-19-4	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	1.0	4.0 U	
MW-19 Screen 4	July/Aug 2003	DUPE-1-3Q03	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	1.4	4.0 U	
MW-19 Screen 4	Oct/Nov 2003	MW-19-4	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1.3	4.0 U	
MW-19 Screen 4	Feb 2004	MW-19-4	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.5 J	

TABLE 3-4
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BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-19 Screen 4	April/May 2004	MW-19-4	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.7	4.0 U	
MW-19 Screen 5	Jan/Feb 2003	MW-19-5	0.5 U	0.4 J	4.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 5	April/May 2003	MW-19-5	0.5 U	0.5 U	2.8	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-19 Screen 5	July/Aug 2003	MW-19-5	0.5 U	0.5 U	3.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 5	Oct/Nov 2003	MW-19-5	0.5 U	0.3 J	3.9	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-19 Screen 5	Feb 2004	MW-19-5	0.5 U	0.5 U	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-19 Screen 5	April/May 2004	MW-19-5	0.5 U	0.5 U	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	Jan/Feb 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	Jan/Feb 2003	DUPE-1-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.0 U	
MW-20 Screen 1	April/May 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	April/May 2003	DUPE-3-2Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	July/Aug 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	1.5 J	
MW-20 Screen 1	Oct/Nov 2003	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.1 J	4-Methyl-2-Pentanone 3.0J Chloroethane 2.2 Chloromethane 0.9
MW-20 Screen 1	Feb 2004	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 1	April/May 2004	MW-20-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 2	Jan/Feb 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	4.0 U	
MW-20 Screen 2	April/May 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-20 Screen 2	July/Aug 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2	4.0 U	
MW-20 Screen 2	Oct/Nov 2003	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	4.0 U	
MW-20 Screen 2	Oct/Nov 2003	DUPE-6-4-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.9	4.0 U	Bromodichloromethane 0.3J
MW-20 Screen 2	Feb 2004	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	
MW-20 Screen 2	April/May 2004	MW-20-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	4.0 U	
MW-20 Screen 3	Jan/Feb 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	April/May 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 4.0J
MW-20 Screen 3	July/Aug 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	DUPE-2-3-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	Oct/Nov 2003	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 3	Feb 2004	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J		
MW-20 Screen 3	April/May 2004	MW-20-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	Jan/Feb 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	April/May 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	124.0		
MW-20 Screen 4	July/Aug 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	Oct/Nov 2003	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	Feb 2004	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 4	April/May 2004	MW-20-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	Jan/Feb 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	2-Butanone 3.0J Styrene 0.6
MW-20 Screen 5	April/May 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.5J

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-20 Screen 5	July/Aug 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	Oct/Nov 2003	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J
MW-20 Screen 5	Feb 2004	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-20 Screen 5	April/May 2004	MW-20-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J
MW-21 Screen 1	Jan/Feb 2003	MW-21-1	0.5 U	3.6	0.7	0.5	0.5 U	0.5 U	0.5 U	1.0	3.1	
MW-21 Screen 1	April/May 2003	MW-21-1	0.5 U	0.7	0.5 J	0.6	0.5 U	0.5 U	0.5 U	0.8	3.6 J	
MW-21 Screen 1	July/Aug 2003	MW-21-1	0.5 U	11.0	1.0	0.7	0.5 U	0.5 U	0.5 U	1.7	5.2	
MW-21 Screen 1	Oct/Nov 2003	MW-21-1	0.5 U	5.5	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.9	6.5	
MW-21 Screen 1	Feb 2004	MW-21-1	0.5 U	1.2	0.5 J	0.6	0.5 U	0.5 U	0.5 U	0.8	5.7	
MW-21 Screen 1	April/May 2004	MW-21-1	0.5 U	0.9	0.4 J	0.6	0.5 U	0.5 U	0.5 U	0.7	5.6	
MW-21 Screen 2	Jan/Feb 2003	MW-21-2	0.5 U	0.5	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-21 Screen 2	April/May 2003	MW-21-2	0.5 U	0.4 J	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.9 J	
MW-21 Screen 2	July/Aug 2003	MW-21-2	0.5 U	0.5 J	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1 J	
MW-21 Screen 2	Oct/Nov 2003	MW-21-2	0.5 U	0.3 J	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	2.7 J	
MW-21 Screen 2	Feb 2004	MW-21-2	0.5 U	0.6	1.5	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	4.5	cis-1,2-Dichloroethene 0.3J
MW-21 Screen 2	April/May 2004	MW-21-2	0.5 U	0.6	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.8 J	cis-1,2-Dichloroethene 0.3J
MW-21 Screen 3	Jan/Feb 2003	MW-21-3	0.5 U	1.1	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.0 U	cis-1,2-Dichloroethane 0.3J
MW-21 Screen 3	April/May 2003	MW-21-3	0.5 U	1.0	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.8	2.9 J	
MW-21 Screen 3	July/Aug 2003	MW-21-3	0.5 U	1.0	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	2.7 J	Chlorodibromomethane 0.4J cis-1,2-Dichloroethane 0.4J
MW-21 Screen 3	Oct/Nov 2003	MW-21-3	0.5 U	0.7	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	3.6 J	
MW-21 Screen 3	Feb 2004	MW-21-3	0.5 U	1.3	2.3	0.5 U	0.5 U	0.5 U	0.5 U	0.9	4.2	
MW-21 Screen 3	April/May 2004	MW-21-3	0.5 U	1.0	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.6	4.3	cis-1,2-Dichloroethene 0.3J
MW-21 Screen 4	Jan/Feb 2003	MW-21-4	0.5 U	0.3 J	5.2	0.5 U	0.5 U	0.5 U	0.5 U	1.7	4.0 U	cis-1,2-Dichloroethane 0.7
MW-21 Screen 4	April/May 2003	MW-21-4	0.5 U	0.5 U	5.2	0.5 U	0.5 U	0.5 U	0.5 U	1.9	2.1 J	cis-1,2-Dichloroethene 0.8
MW-21 Screen 4	July/Aug 2003	MW-21-4	0.5 U	1.0	15.4	0.5 U	0.5 U	0.5 U	0.5 U	3.2	2.7 J	Bromodichloromethane 0.5 Chlorodibromomethane 0.7 cis-1,2-Dichloroethane 2.2
MW-21 Screen 4	Oct/Nov 2003	MW-21-4	0.5 U	0.5 J	7.7	0.5 U	0.5 U	0.5 U	0.5 U	2.0	3.4 J	Chlorodibromomethane 0.3J cis-1,2-Dichloroethene 1.3
MW-21 Screen 4	Feb 2004	MW-21-4	0.5 U	0.4 J	5.0	0.5 U	0.5 U	0.5 U	0.5 U	2.8	3.5 J	Chlorodibromomethane 1 cis-1,2-Dichloroethene 1.1
MW-21 Screen 4	April/May 2004	MW-21-4	0.5 U	0.5 U	2.8	0.5 U	0.5 U	0.5 U	0.5 U	2.2	4.2	cis-1,2-Dichloroethene 0.7
MW-21 Screen 5	Jan/Feb 2003	MW-21-5	0.5 U	0.7	9.6	0.5 U	0.5 U	0.5 U	0.5 U	2.5	4.0 U	cis-1,2-Dichloroethane 2.0
MW-21 Screen 5	April/May 2003	MW-21-5	0.5 U	0.6	12.3	0.5 U	0.5 U	0.5 U	0.5 U	2.7	2.7 J	cis-1,2-Dichloroethene 1.7
MW-21 Screen 5	July/Aug 2003	MW-21-5	0.5 U	1.0	20.2	0.5 U	0.5 U	0.5 U	0.5 U	3.6	2.6 J	cis-1,2-Dichloroethane 2.5
MW-21 Screen 5	Oct/Nov 2003	MW-21-5	0.5 U	0.5 J	8.8	0.5 U	0.5 U	0.5 U	0.5 U	2.3	2.6 J	cis-1,2-Dichloroethene 1.4
MW-21 Screen 5	Feb 2004	MW-21-5	0.5 U	0.6	9.0	0.5 U	0.5 U	0.5 U	0.5 U	3.2	4.3	cis-1,2-Dichloroethene 1.5

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
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BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-21 Screen 5	April/May 2004	MW-21-5	0.5 U	0.5 J	6.4	0.5 U	0.5 U	0.5 U	0.5 U	2.6	3.6 J	
MW-22 Screen 1	Jan/Feb 2003	MW-22-1	0.5 U	0.3 J	2.0	0.5 J	0.5 U	0.5 U	0.5 U	0.4 J	4.0 U	
MW-22 Screen 1	April/May 2003	MW-22-1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.2 J	4-Methyl-2-Pentanone 3.0J
MW-22 Screen 1	July/Aug 2003	MW-22-1	0.5 U	0.3 J	0.9	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	2.7 J	4-Methyl-2-Pentanone 0.4J
MW-22 Screen 1	Oct/Nov 2003	MW-22-1	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	
MW-22 Screen 1	Feb 2004	MW-22-1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 1	April/May 2004	MW-22-1	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 2	Jan/Feb 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 2	Jan/Feb 2003	DUPE-5-1Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-22 Screen 2	April/May 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6 J	4-Methyl-2-Pentanone 5.0J
MW-22 Screen 2	July/Aug 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	4-Methyl-2-Pentanone 0.6J
MW-22 Screen 2	July/Aug 2003	DUPE-5-3-Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.1 J	4-Methyl-2-Pentanone 0.4J
MW-22 Screen 2	Oct/Nov 2003	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4 J	
MW-22 Screen 2	Feb 2004	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 2	April/May 2004	MW-22-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 3	Jan/Feb 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
MW-22 Screen 3	April/May 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.8 J	4-Methyl-2-Pentanone 6.0J
MW-22 Screen 3	July/Aug 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	4-Methyl-2-Pentanone 2.0J
MW-22 Screen 3	Oct/Nov 2003	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.6 J	Chloroethane 2.0
MW-22 Screen 3	Feb 2004	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 3	April/May 2004	MW-22-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 4	April/May 2003	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 9.0J
MW-22 Screen 4	Oct/Nov 2003	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-22 Screen 4	April/May 2004	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Chloroethane 3.2
MW-22 Screen 4	Oct/Nov 2003	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Chloromethane 1.0
MW-22 Screen 4	April/May 2004	MW-22-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 5	April/May 2003	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-22 Screen 5	Oct/Nov 2003	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J
MW-22 Screen 5	April/May 2004	MW-22-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-22 Screen 5	April/May 2004	DUPE-2-2Q04	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 1	Jan/Feb 2003	MW-23-1	0.5 U	1.5	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	1.9 J	
MW-23 Screen 1	April/May 2003	MW-23-1	0.5 U	1.0	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.9 J	4-Methyl-2-Pentanone 4.0J
MW-23 Screen 1	July/Aug 2003	MW-23-1	0.5 U	0.3 J	1.5	0.5	0.5 U	0.5 U	0.5 U	0.4 J	2.4 J	
MW-23 Screen 1	Oct/Nov 2003	MW-23-1	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	3.1 J	4-Methyl-2-Pentanone 2.0J
MW-23 Screen 1	Feb 2004	MW-23-1	0.5 U	0.6	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	4.5	Chloroethane 2.7
MW-23 Screen 1	April/May 2004	MW-23-1	0.5 U	1.2	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5	4.0 U	Chloromethane 0.6
MW-23 Screen 2	Jan/Feb 2003	MW-23-2	0.5 U	0.7	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5	2.4 J	

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Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-23 Screen 2	April/May 2003	MW-23-2	0.5 U	0.6	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5	3.8 J	4-Methyl-2-Pentanone 3.0J
MW-23 Screen 2	July/Aug 2003	MW-23-2	0.5 U	0.6	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	4.7	Methylene Chloride 0.6
MW-23 Screen 2	Oct/Nov 2003	MW-23-2	0.5 U	0.5	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 J	5.4 J	4-Methyl-2-Pentanone 3.0J Chloroethane 2.3 Chloromethane 0.6
MW-23 Screen 2	Feb 2004	MW-23-2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	6.9	
MW-23 Screen 2	April/May 2004	MW-23-2	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	5.4	
MW-23 Screen 3	Jan/Feb 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	
MW-23 Screen 3	April/May 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-23 Screen 3	July/Aug 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.0 J	
MW-23 Screen 3	Oct/Nov 2003	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J Chloroethane 2.3 Chloromethane 0.6
MW-23 Screen 3	Feb 2004	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 3	DUPE-4-1Q04	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 3	April/May 2004	MW-23-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 4	April/May 2003	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-23 Screen 4	Oct/Nov 2003	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 2.0J Chloromethane 0.5
MW-23 Screen 4	April/May 2004	MW-23-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 5	April/May 2003	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 3.0J
MW-23 Screen 5	Oct/Nov 2003	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-23 Screen 5	April/May 2004	MW-23-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	Styrene 0.4J Vinyl Chloride 0.6
MW-24 Screen 1	Jan/Feb 2003	MW-24-1	4.7	1.7	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	2.4	257.0	
MW-24 Screen 1	April/May 2003	MW-24-1	7.5	2.9	0.4 J	0.5 U	0.5 U	0.5 U	0.5 U	5.2	854.0	4-Methyl-2-Pentanone 4.0J
MW-24 Screen 1	July/Aug 2003	MW-24-1	22.1	4.8	1.5	0.5 U	0.5 U	0.8	0.5 U	10.2	2450.0	4-Methyl-2-Pentanone 0.3J Methylene Chloride 0.4J
MW-24 Screen 1	Oct/Nov 2003	MW-24-1	19.1	3.7	1.6	0.5 U	0.5 U	0.7	0.5 U	6.8	2760.0 J	
MW-24 Screen 1	Feb 2004	MW-24-1	6.7	1.6	0.5	0.5 U	0.5 U	0.5 U	0.5 U	3.4	1120.0	
MW-24 Screen 1	April/May 2004	MW-24-1	8.3	1.9	0.8	0.5 U	0.5 U	0.5 U	0.5 U	3.9	2240.0	1,4-Dioxane 3.2
MW-24 Screen 2	Jan/Feb 2003	MW-24-2	8.9	1.3	0.5 U	0.5 U	0.5 U	0.5 J	0.5 U	2.8	106.0	
MW-24 Screen 2	April/May 2003	MW-24-2	8.9	1.6	0.3 J	0.5 U	0.5 U	0.5	0.5 U	3.8	195.0	4-Methyl-2-Pentanone 4.0J
MW-24 Screen 2	April/May 2003	DUPE-4-2Q03	4.1	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.3	199.0	4-Methyl-2-Pentanone 5.0J Methylene Chloride 2.5
MW-24 Screen 2	July/Aug 2003	MW-24-2	4.7	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.4	148.0	Methylene Chloride 0.3J
MW-24 Screen 2	Oct/Nov 2003	MW-24-2	3.4	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	155.0 J	
MW-24 Screen 2	Feb 2004	MW-24-2	3.1	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	107.0	
MW-24 Screen 2	April/May 2004	MW-24-2	1.6	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.0	110.0	
MW-24 Screen 3	Jan/Feb 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.6	

TABLE 3-4
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE DETECTED
DURING THE LONG-TERM QUARTERLY GROUDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

(All concentrations reported in micrograms per liter)
Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Carbon Tetra-chloride	TCE	PCE	1,1-DCA	1,2-DCA	1,1-DCE	Freon 113	Chloroform	Perchlorate	Other Volatile Organic Compounds (including 1,4-Dioxane)
MW-24 Screen 3	April/May 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-24 Screen 3	July/Aug 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 3	Oct/Nov 2003	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 3	Feb 2004	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 3	April/May 2004	MW-24-3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 4	April/May 2003	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-24 Screen 4	Oct/Nov 2003	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 4	Oct/Nov 2003	DUPE-1-4Q03	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 4	April/May 2004	MW-24-4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 5	April/May 2003	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	4-Methyl-2-Pentanone 5.0J
MW-24 Screen 5	Oct/Nov 2003	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
MW-24 Screen 5	April/May 2004	MW-24-5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.0 U	
California Maximum Contaminant Level (MCL)			0.5	5.0	5.0	5.0	0.5	6.0	1200.0	100.0	6.0*	
EPA Region IX Maximum Contaminant Level			5.0	5.0	5.0	NE	5.0	7.0	NE	100.0	NE	

Notes

- DUPE Field Duplicate
- J Indicates an estimated value.
- NE Not established
- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- * Interim Action Level - California Department of Health Services

TABLE 3-5
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND PERCHLORATE REPORTED IN
MUNICIPAL PRODUCTION WELLS NEAR JPL DURING THE MOST RECENT SAMPLING EVENTS

(All Concentrations Are Reported in Micrograms per Liter)

Shaded Values Exceed the State or Federal MCLs or the Action Levels.

Purveyor	Well Name	Sample Date	Perchlorate	Carbon Tetrachloride	Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethane	Chloroform
Lincoln Avenue Water Company	Well #3	5/18/2004	10.0	1.0	0.5 U	1.9	0.5 U	0.6
	Well #3	5/25/2004	14.0	NS	NS	NS	NS	NS
	Well #5	5/18/2004	14.0	0.8	0.9	16.0	0.5 U	1.6
	Well #5	5/25/2004	13.0	NS	NS	NS	NS	NS
Las Flores Water Company	Well #2	4/5/2004	5.8	NS	8.4	NS	NS	NS
	Well #2	4/12/2004	4.0 U	NS	9.3	NS	NS	NS
	Well #2	4/19/2004	5.5	NS	8.4	NS	NS	NS
	Well #2	4/26/2004	5.6	NS	7.1	NS	NS	NS
	Well #2	5/3/2004	5.8	NS	7.9	NS	NS	NS
	Well #2	5/10/2004	4.6	NS	7.3	NS	NS	NS
	Well #2	5/17/2004	4.8	NS	6.9	NS	NS	NS
Rubio Canon Land & Water Association	Well #4	4/5/2004	4.0 U	NS	NS	NS	NS	NS
	Well #4	5/3/2004	4.0 U	NS	NS	NS	NS	NS
	Well #7	4/5/2004	4.0 U	NS	NS	NS	NS	NS
	Well #7	5/3/2004	4.0 U	NS	NS	NS	NS	NS
Valley Water Company	Well #1	5/6/2004	NS	0.5 U	0.5 U	0.5 U	0.5 U	20.0
	Well #2	5/6/2004	NS	0.5 U	0.5 U	0.5 U	0.5 U	21.0
	Well #3	5/6/2004	NS	0.5 U	1.1	0.5 U	0.5 U	15.0
	Well #4	5/6/2004	NS	0.5 U	0.5 U	0.5 U	0.5 U	28.0
California Maximum Contaminant Level (MCL)			6.0 ⁽¹⁾	0.5	5.0	5.0	5.0	100.0
EPA Region IX Maximum Contaminant Level			NE	5.0	5.0	5.0	NE	100.0

Notes

(1) Interim Action Level - California Department of Health Services

NE Not Established

NS Not Sampled on this date

Source California Department of Health Services Drinking Water Program, California Drinking Water Data, July 12, 2004

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

TABLE 3-6
SUMMARY OF METALS ANALYSES OF GROUNDWATER
SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-1	MW-1	2.3 U	0.01 J	10.0	0.01 U	0.35
MW-3 Screen 1	MW-3-1	5.0 UJ	0.12 U	7.6	0.01 U	5.10
MW-3 Screen 1	DUPE-1-2Q04	5.0 UJ	0.001 J	8.2	0.01 U	9.20
MW-3 Screen 2	MW-3-2	5.0 UJ	0.12 U	7.3	0.01 U	3.40
MW-3 Screen 3	MW-3-3	4.8 UJ	0.12 U	4.8	0.01 U	0.85
MW-3 Screen 4	MW-3-4	3.7 UJ	0.014 U	7.6	0.01 U	5.40
MW-3 Screen 5	MW-3-5	6.4 UJ	0.14 J	4.9	0.01 U	32.00
MW-4 Screen 1	MW-4-1	5.0 UJ	0.33 J	0.6 UJ	0.006 J	13.00
MW-4 Screen 2	MW-4-2	5.0 UJ	0.27 UJ	3.8 J	0.004 J	15.00
MW-4 Screen 2	DUPE-3-2Q04	5.0 UJ	0.082 UJ	4.3 J	0.006 J	15.00
MW-4 Screen 3	MW-4-3	5.0 UJ	0.43 J	0.2 UJ	0.01 U	21.00
MW-4 Screen 4	MW-4-4	5.0 UJ	0.31 J	1.1 UJ	0.01 U	12.00
MW-4 Screen 5	MW-4-5	5.0 UJ	0.23 UJ	6.6 J	0.01 U	50.00
MW-5	MW-5	5.0 U	0.12 J	1.9	0.01 U	6.30
MW-6	MW-6	2.0 U	0.18	7.8	0.01 U	9.70
MW-7	MW-7	5.0 U	0.46	11.2	0.01 U	13.00
MW-7	DUPE-7-2Q04	5.0 U	0.51	11.7	0.01 U	13.00
MW-8	MW-8	5.0 U	0.024 U	6.0	0.01 U	0.50
MW-9	MW-9	5.0 U	1.90	9.2	0.01 U	22.00
MW-10	MW-10	5.0 U	0.009 U	21.3	0.01 U	3.50
MW-11 Screen 1	MW-11-1	5.0 U	0.027 U	7.4	0.01 U	4.00
MW-11 Screen 2	MW-11-2	5.0 U	0.12 U	5.7	0.01 U	8.30
MW-11 Screen 3	MW-11-3	5.0 U	0.055 U	1.1 U	0.01 U	55.00
MW-11 Screen 3	DUPE-5-2Q04	5.0 U	0.049 U	0.7 U	0.005 J	55.00
MW-11 Screen 4	MW-11-4	5.0 U	0.005 J	2.2	0.004 J	3.60
MW-11 Screen 5	MW-11-5	5.0 U	0.099 U	0.7 U	0.004 J	70.00
MW-12 Screen 1	MW-12-1	5.0 U	0.043 U	2.6	0.004 J	6.60
MW-12 Screen 2	MW-12-2	5.0 U	0.12 U	10.9	0.01 U	2.00
MW-12 Screen 3	MW-12-3	5.0 U	0.014 U	6.2	0.01 U	2.60
MW-12 Screen 4	MW-12-4	5.0 U	0.12 U	9.0	0.01 U	1.30
MW-12 Screen 4	DUPE-4-2Q04	5.0 U	0.001 J	8.2	0.004 J	1.30
MW-12 Screen 5	MW-12-5	5.0 U	0.048 U	1.8	0.005 J	16.00
MW-13	MW-13	5.0 U	0.12 U	31.5	0.024	1.20
MW-14 Screen 1	MW-14-1	5.0 UJ	0.12 U	15.0	0.01 U	11.00
MW-14 Screen 2	MW-14-2	2.6 UJ	0.12 U	11.0	0.01 U	1.80
MW-14 Screen 3	MW-14-3	2.9 UJ	0.12 U	10.1	0.01 U	1.50
MW-14 Screen 4	MW-14-4	5.0 UJ	0.12 U	9.2	0.01 U	0.55
MW-14 Screen 5	MW-14-5	3.2 UJ	0.12 U	5.8	0.01 U	4.60
MW-15	MW-15	3.2 U	0.036 J	12.1	0.01 U	3.10
MW-15	DUPE-6-2Q04	5.0 U	0.049 J	11.6	0.01 U	3.10
MW-16	MW-16	1.7 U	0.12 U	9.2	0.01 U	2.20
MW-17 Screen 1	MW-17-1	5.0 U	0.12 U	7.3	0.01 U	0.70
MW-17 Screen 2	MW-17-2	5.0 U	0.009 U	7.6	0.01 U	1.50
MW-17 Screen 3	MW-17-3	2.5 J	0.001 J	8.1	0.01 U	11.00
MW-17 Screen 4	MW-17-4	3.9 J	0.14	5.6	0.01 U	2.80
MW-17 Screen 5	MW-17-5	12.0 J	73.30	8.3	0.01 U	999.00
MW-18 Screen 1	MW-18-1	5.0 U	0.12 U	8.4 J	0.01 U	2.30
MW-18 Screen 2	MW-18-2	5.0 U	0.12 U	9.3 J	0.01 U	1.80
MW-18 Screen 3	MW-18-3	5.0 U	0.12 U	15.5 J	0.01 U	0.10
MW-18 Screen 4	MW-18-4	5.0 U	0.12 U	6.9 J	0.01 U	1.80
MW-18 Screen 5	MW-18-5	5.0 U	0.12 U	6.1 J	0.01 U	1.00

TABLE 3-6
SUMMARY OF METALS ANALYSES OF GROUNDWATER
SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-19 Screen 1	MW-19-1	5.0 U	0.23	0.6 U	0.01 U	28.00
MW-19 Screen 2	MW-19-2	5.0 U	0.001 J	10.0	0.01 U	10.00
MW-19 Screen 3	MW-19-3	5.0 U	0.12 U	10.7	0.01 U	3.60
MW-19 Screen 4	MW-19-4	5.0 U	0.12 U	7.3	0.01 U	1.20
MW-19 Screen 5	MW-19-5	5.0 U	0.12 U	5.4	0.01 U	6.10
MW-20 Screen 1	MW-20-1	5.0 U	0.12 U	6.6 J	0.01 U	1.40
MW-20 Screen 2	MW-20-2	5.0 U	0.12 U	5.1 J	0.01 U	0.40
MW-20 Screen 3	MW-20-3	2.5 J	0.12 U	10.5 J	0.01 U	0.30
MW-20 Screen 4	MW-20-4	5.0 U	0.12 U	6.5 J	0.01 U	11.00
MW-20 Screen 5	MW-20-5	5.0 U	0.12 U	4.5 J	0.01 U	0.50
MW-21 Screen 1	MW-21-1	5.0 U	0.12 U	10.9	0.01 U	3.20
MW-21 Screen 2	MW-21-2	5.0 U	0.013 J	11.7	0.01 U	4.50
MW-21 Screen 3	MW-21-3	5.0 U	0.12 U	12.2	0.01 U	1.80
MW-21 Screen 4	MW-21-4	5.0 U	0.12 U	8.3	0.01 U	0.90
MW-21 Screen 5	MW-21-5	5.0 U	0.026 J	8.3	0.01 U	4.90
MW-22 Screen 1	MW-22-1	5.0 UJ	0.02 U	10.3	0.01 U	15.00
MW-22 Screen 2	MW-22-2	5.0 UJ	0.12 U	7.6	0.01 U	1.50
MW-22 Screen 3	MW-22-3	5.0 UJ	0.12 U	8.5	0.01 U	0.25
MW-22 Screen 4	MW-22-4	3.0 UJ	0.12 U	8.1	0.01 U	0.65
MW-22 Screen 5	MW-22-5	2.7 UJ	0.017 U	2.6 J	0.004 J	0.25
MW-22 Screen 5	DUPE-2-2Q04	5.0 UJ	0.039 U	4.6 J	0.004 J	0.25
MW-23 Screen 1	MW-23-1	5.0 U	0.024 U	11.9	0.01 U	0.83
MW-23 Screen 2	MW-23-2	2.5 U	0.004 J	9.8	0.005 J	0.80
MW-23 Screen 3	MW-23-3	5.0 U	0.12 U	8.3	0.004 J	10.00
MW-23 Screen 4	MW-23-4	3.3 U	0.005 J	6.7	0.004 J	0.55
MW-23 Screen 5	MW-23-5	4.0 U	1.20	7.1	0.004 J	2.80
MW-24 Screen 1	MW-24-1	2.0 U	0.024 J	7.9	0.01 U	2.30
MW-24 Screen 2	MW-24-2	3.5 U	0.12 U	6.2	0.01 U	4.60
MW-24 Screen 3	MW-24-3	4.3 U	0.012 J	5.1	0.01 U	3.90
MW-24 Screen 4	MW-24-4	2.2 U	0.12 U	4.3	0.01 U	1.50
MW-24 Screen 5	MW-24-5	3.8 U	0.12 U	7.6	0.01 U	0.60
California Maximum Contaminant Level (MCL)		50.0	15.0*	50.0	0.05 ⁽¹⁾	NE
EPA Region IX Maximum Contaminant Level		50.0	15.0*	100.0	NE	NE

Notes

DUPE	Field Duplicate
J	Indicates an estimated value.
MCL	Maximum Contaminant Level
ug/L	Micrograms per liter
mg/L	Milligrams per liter
NTU	Nephelometric Turbidity Unit
NA	Not analyzed for this metal during this quarter.
NE	Not established
U	Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
UJ	Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
*	Interim Action Level - California Department of Health Services
(1)	As of January 6, 2004, hexavalent chromium is regulated under the 50-ug/L MCL for total chromium. DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004).

TABLE 3-7
SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-1	April/May 2003	MW-1	5.0 U	0.2 J	2.4	0.01 U	2.02
MW-1	Oct/Nov 2003	MW-1	NA	NA	2.4 J	0.01 U	0.00
MW-1	April/May 2004	MW-1	2.3 U	0.01 J	10	0.01 U	0.35
MW-3 Screen 1	April/May 2003	MW-3-1	5.0 U	1.0 U	2.1	0.01 U	20.40
MW-3 Screen 1	Oct/Nov 2003	MW-3-1	NA	NA	1.8 UJ	0.01 U	5.60
MW-3 Screen 1	April/May 2004	MW-3-1	5.0 UJ	0.12 U	7.6	0.01 U	5.10
MW-3 Screen 1	April/May 2004	DUPE-1-2Q04	5.0 UJ	0.001 J	8.2	0.01 U	9.20
MW-3 Screen 2	Jan/Feb 2003	MW-3-2	NA	NA	2.4	0.01 U	1.54
MW-3 Screen 2	April/May 2003	MW-3-2	5.0 U	1.0 U	1.6	0.01 U	1.35
MW-3 Screen 2	April/May 2003	DUPE-5-2Q03	5.0 U	1.0 U	1.9	0.01 U	1.35
MW-3 Screen 2	July/Aug 2003	MW-3-2	NA	NA	2.4 J	0.01 U	3.38
MW-3 Screen 2	Oct/Nov 2003	MW-3-2	NA	NA	1.6 UJ	0.01 U	2.20
MW-3 Screen 2	Feb 2004	MW-3-2	NA	NA	12.0	0.01 U	4.40
MW-3 Screen 2	Feb 2004	DUPE-1-1Q04	NA	NA	3.5	0.01 U	3.60
MW-3 Screen 2	April/May 2004	MW-3-2	5.0 UJ	0.12 U	7.3	0.01 U	3.40
MW-3 Screen 3	Jan/Feb 2003	MW-3-3	NA	NA	2.0	0.01 U	1.52
MW-3 Screen 3	April/May 2003	MW-3-3	5.0 U	1.0 U	0.8 J	0.01 U	0.11
MW-3 Screen 3	July/Aug 2003	MW-3-3	NA	NA	2.0 J	0.01 U	2.57
MW-3 Screen 3	Oct/Nov 2003	MW-3-3	NA	NA	2.0 UJ	0.01 U	1.10
MW-3 Screen 3	Feb 2004	MW-3-3	NA	NA	2.6	0.01 U	1.40
MW-3 Screen 3	April/May 2004	MW-3-3	4.8 UJ	0.12 U	4.8	0.01 U	0.85
MW-3 Screen 4	Jan/Feb 2003	MW-3-4	NA	NA	2.3	0.01 U	0.94
MW-3 Screen 4	April/May 2003	MW-3-4	5.0 U	1.0 U	1.7	0.01 U	0.67
MW-3 Screen 4	July/Aug 2003	MW-3-4	NA	NA	1.8 J	0.01 U	1.06
MW-3 Screen 4	Oct/Nov 2003	MW-3-4	NA	NA	1.9 UJ	0.01 U	1.30
MW-3 Screen 4	Feb 2004	MW-3-4	NA	NA	4.8	0.01 U	2.60
MW-3 Screen 4	April/May 2004	MW-3-4	3.7 UJ	0.014 U	7.6	0.01 U	5.40
MW-3 Screen 5	April/May 2003	MW-3-5	4.3 J	1.0 U	0.5 J	0.01 U	0.41
MW-3 Screen 5	Oct/Nov 2003	MW-3-5	NA	NA	0.7 UJ	0.01 U	2.00
MW-3 Screen 5	April/May 2004	MW-3-5	6.4 UJ	0.14 J	4.9	0.01 U	32.00
MW-4 Screen 1	Jan/Feb 2003	MW-4-1	NA	NA	2.2	0.01 U	8.11
MW-4 Screen 1	April/May 2003	MW-4-1	5.0 U	1.0 U	3.4 J	0.01 U	0.31
MW-4 Screen 1	July/Aug 2003	MW-4-1	NA	NA	2.7 J	0.01 U	2.90
MW-4 Screen 1	July/Aug 2003	DUPE-3-3-Q03	NA	NA	2.5 J	0.01 U	2.40
MW-4 Screen 1	Oct/Nov 2003	MW-4-1	NA	NA	2.6	0.01 U	4.30
MW-4 Screen 1	Feb 2004	MW-4-1	NA	NA	4.4	0.01 U	7.10
MW-4 Screen 1	April/May 2004	MW-4-1	5.0 UJ	0.33 J	0.6 UJ	0.006 J	13.00
MW-4 Screen 2	Jan/Feb 2003	MW-4-2	NA	NA	4.8	0.01 U	9.32
MW-4 Screen 2	April/May 2003	MW-4-2	5.0 U	1.0 U	6.4 J	0.01 U	1.04
MW-4 Screen 2	July/Aug 2003	MW-4-2	NA	NA	5.2 J	0.01 U	3.40
MW-4 Screen 2	Oct/Nov 2003	MW-4-2	NA	NA	3.7	0.01 U	35.00

TABLE 3-7
SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-4 Screen 2	Feb 2004	MW-4-2	NA	NA	6.7	0.01 U	10.00
MW-4 Screen 2	April/May 2004	MW-4-2	5.0 UJ	0.27 UJ	3.8 J	0.004 J	15.00
MW-4 Screen 2	April/May 2004	DUPE-3-2Q04	5.0 UJ	0.082 UJ	4.3 J	0.006 J	15.00
MW-4 Screen 3	Jan/Feb 2003	MW-4-3	NA	NA	4.3	0.01 U	20.70
MW-4 Screen 3	April/May 2003	MW-4-3	5.0 U	1.0 U	3.8 J	0.01 U	20.30
MW-4 Screen 3	July/Aug 2003	MW-4-3	NA	NA	0.4 U	0.01 U	45.00
MW-4 Screen 3	Oct/Nov 2003	MW-4-3	NA	NA	0.4 U	0.01 U	33.00
MW-4 Screen 3	Feb 2004	MW-4-3	NA	NA	0.3 UJ	0.01 U	20.00
MW-4 Screen 3	April/May 2004	MW-4-3	5.0 UJ	0.43 J	0.21 UJ	0.01 U	21.00
MW-4 Screen 4	April/May 2003	MW-4-4	5.0 U	1.0 U	3.5 J	0.01 U	1.94
MW-4 Screen 4	April/May 2003	DUPE-1-2Q03	5.0 U	1.0 U	2.8 J	0.01 U	1.94
MW-4 Screen 4	Oct/Nov 2003	MW-4-4	NA	NA	2.4	0.01 U	3.50
MW-4 Screen 4	April/May 2004	MW-4-4	5.0 UJ	0.31 J	1.1 UJ	0.01 U	12.00
MW-4 Screen 5	April/May 2003	MW-4-5	5.0 U	1.0 U	3.0 J	0.01 U	4.86
MW-4 Screen 5	Oct/Nov 2003	MW-4-5	NA	NA	3.5 J	0.01 U	8.90
MW-4 Screen 5	Oct/Nov 2003	DUPE-3-4-Q03	NA	NA	5.6	0.01 U	25.00
MW-4 Screen 5	April/May 2004	MW-4-5	5.0 UJ	0.23 UJ	6.6 J	0.01 U	50.00
MW-5	Jan/Feb 2003	MW-5	NA	NA	6.8	0.01 U	0.06
MW-5	April/May 2003	MW-5	5.0 U	1.0 U	3.1 J	0.01 U	2.64
MW-5	July/Aug 2003	MW-5	NA	NA	3.1 J	0.01 U	80.00
MW-5	Oct/Nov 2003	MW-5	NA	NA	2.8 J	0.01 U	0.45
MW-5	Feb 2004	MW-5	NA	NA	5.1	0.01 U	1.51
MW-5	April/May 2004	MW-5	5.0 U	0.12 J	1.9	0.01 U	6.30
MW-6	Jan/Feb 2003	MW-6	NA	NA	6.4	0.01 U	0.33
MW-6	April/May 2003	MW-6	5.0 U	1.0 U	7.1 J	0.01 U	8.17
MW-6	July/Aug 2003	MW-6	NA	NA	6.6 J	0.01 U	22.20
MW-6	Oct/Nov 2003	MW-6	NA	NA	9.9 J	0.01 U	0.15
MW-6	Feb 2004	MW-6	NA	NA	10.0	0.01 U	2.80
MW-6	April/May 2004	MW-6	2.0 U	0.18	7.8	0.01 U	9.70
MW-7	Jan/Feb 2003	MW-7	NA	NA	7.4	0.01 U	0.06
MW-7	Jan/Feb 2003	DUPE-6-1Q03	NA	NA	7.3	0.01 U	0.06
MW-7	April/May 2003	MW-7	5.0 U	1.0 U	4.9	0.01 U	1.20
MW-7	July/Aug 2003	MW-7	NA	NA	4.6 J	0.01 U	0.08
MW-7	Oct/Nov 2003	MW-7	NA	NA	5.0 J	0.01 U	0.00
MW-7	Feb 2004	MW-16	NA	NA	5.7	0.01 U	8.10
MW-7	April/May 2004	MW-7	5.0 U	0.46	11.2	0.01 U	13.00
MW-7	April/May 2004	DUPE-7-2Q04	5.0 U	0.51	11.7	0.01 U	13.00
MW-8	Jan/Feb 2003	MW-8	NA	NA	9.4	0.01 U	0.25
MW-8	April/May 2003	MW-8	2.0 J	1.0 U	1.4 J	0.01 U	0.04
MW-8	July/Aug 2003	MW-8	NA	NA	3.6 J	0.01 U	4.90
MW-8	Oct/Nov 2003	MW-8	NA	NA	1.5 UJ	0.008 J	0.00

TABLE 3-7
SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-8	Oct/Nov 2003	DUPE-7-4-Q03	NA	NA	1.8 UJ	0.01 U	0.00
MW-8	Feb 2004	MW-8	NA	NA	4.0	0.01 U	0.10
MW-8	April/May 2004	MW-8	5.0 U	0.024 U	6	0.01 U	0.50
MW-9	April/May 2003	MW-9	2.1 J	0.5 J	4.3	0.01 U	8.99
MW-9	Oct/Nov 2003	MW-9	NA	NA	5.5 J	0.01 U	5.40
MW-9	April/May 2004	MW-9	5.0 U	1.9	9.2	0.01 U	22.00
MW-10	Jan/Feb 2003	MW-10	NA	NA	11.0	0.01 U	0.05
MW-10	April/May 2003	MW-10	5.0 U	0.2 J	8.1 J	0.01 U	0.18
MW-10	July/Aug 2003	MW-10	NA	NA	11.0 J	0.01 U	14.00
MW-10	Oct/Nov 2003	MW-10	NA	NA	7.6 J	0.01 U	0.05
MW-10	Feb 2004	MW-10	NA	NA	24.0	0.01 U	0.15
MW-10	April/May 2004	MW-10	5.0 U	0.009 U	21.3	0.01 U	3.50
MW-11 Screen 1	Jan/Feb 2003	MW-11-1	NA	NA	2.6	0.01 U	0.10
MW-11 Screen 1	April/May 2003	MW-11-1	5.0 U	1.0 U	1.3	0.01 U	0.36
MW-11 Screen 1	July/Aug 2003	MW-11-1	NA	NA	2.0 J	0.01 U	0.45
MW-11 Screen 1	Oct/Nov 2003	MW-11-1	NA	NA	2.0 J	0.01 U	0.35
MW-11 Screen 1	Feb 2004	MW-11-1	NA	NA	3.7	0.01 U	0.45
MW-11 Screen 1	April/May 2004	MW-11-1	5.0 U	0.027 U	7.4	0.01 U	4.00
MW-11 Screen 2	Jan/Feb 2003	MW-11-2	NA	NA	2.3	0.01 U	4.58
MW-11 Screen 2	April/May 2003	MW-11-2	5.0 U	1.0 U	0.8 J	0.01 U	1.81
MW-11 Screen 2	July/Aug 2003	MW-11-2	NA	NA	1.5 J	0.01 U	1.40
MW-11 Screen 2	Oct/Nov 2003	MW-11-2	NA	NA	1.0 UJ	0.01 U	5.10
MW-11 Screen 2	Feb 2004	MW-11-2	NA	NA	3.4	0.01 U	2.40
MW-11 Screen 2	April/May 2004	MW-11-2	5.0 U	0.12 U	5.7	0.01 U	8.30
MW-11 Screen 3	Jan/Feb 2003	MW-11-3	NA	NA	2.3	0.01 U	20.00
MW-11 Screen 3	April/May 2003	MW-11-3	5.0 U	1.0 U	1.5	0.01 U	23.50
MW-11 Screen 3	July/Aug 2003	MW-11-3	NA	NA	2.3 J	0.01 U	95.00
MW-11 Screen 3	Oct/Nov 2003	MW-11-3	NA	NA	3.4 J	0.01 U	1.80
MW-11 Screen 3	Feb 2004	MW-11-3	NA	NA	4.0	0.01 U	17.00
MW-11 Screen 3	April/May 2004	MW-11-3	5.0 U	0.055 U	1.1 U	0.01 U	55.00
MW-11 Screen 3	April/May 2004	DUPE-5-2Q04	5.0 U	0.049 U	0.65 U	0.005 J	55.00
MW-11 Screen 4	Jan/Feb 2003	MW-11-4	NA	NA	NA	0.01 U	0.99
MW-11 Screen 4	April/May 2003	MW-11-4	5.0 U	1.0 U	0.3 J	0.01 U	0.08
MW-11 Screen 4	Oct/Nov 2003	MW-11-4	NA	NA	0.8 UJ	0.01 U	0.40
MW-11 Screen 4	April/May 2004	MW-11-4	5.0 U	0.005 J	2.2	0.004 J	3.60
MW-11 Screen 5	April/May 2003	MW-11-5	5.0 U	1.0 U	1.1	0.01 U	1.74
MW-11 Screen 5	Oct/Nov 2003	MW-11-5	NA	NA	1.5 J	0.01 U	2.00
MW-11 Screen 5	April/May 2004	MW-11-5	5.0 U	0.099 U	0.73 U	0.004 J	70.00
MW-12 Screen 1	Jan/Feb 2003	MW-12-1	NA	NA	6.0	0.01 U	5.32
MW-12 Screen 1	April/May 2003	MW-12-1	5.0 U	1.0 U	9.7	0.01 U	7.52
MW-12 Screen 1	July/Aug 2003	MW-12-1	NA	NA	8.0 J	0.01 U	7.90

TABLE 3-7
SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-12 Screen 1	Oct/Nov 2003	MW-12-1	NA	NA	8.1 J	0.01 U	3.90
MW-12 Screen 1	Oct/Nov 2003	DUPE-4-4-Q03	NA	NA	8.4 J	0.01 U	8.40
MW-12 Screen 1	Feb 2004	MW-12-1	NA	NA	9.5	0.01 U	29.90
MW-12 Screen 1	April/May 2004	MW-12-1	5.0 U	0.043 U	2.6	0.004 J	6.60
MW-12 Screen 2	Jan/Feb 2003	MW-12-2	NA	NA	3.8	0.01 U	1.46
MW-12 Screen 2	Jan/Feb 2003	DUPE-4-1Q03	NA	NA	4.0	0.01 U	1.46
MW-12 Screen 2	April/May 2003	MW-12-2	5.0 U	1.0 U	2.9	0.01 U	1.16
MW-12 Screen 2	July/Aug 2003	MW-12-2	NA	NA	3.8 J	0.01 U	1.30
MW-12 Screen 2	Oct/Nov 2003	MW-12-2	NA	NA	2.9 J	0.01 U	1.50
MW-12 Screen 2	Feb 2004	MW-12-2	NA	NA	4.4	0.01 U	30.50
MW-12 Screen 2	April/May 2004	MW-12-2	5.0 U	0.12 U	10.9	0.01 U	2.00
MW-12 Screen 3	Jan/Feb 2003	MW-12-3	NA	NA	2.5	0.01 U	3.46
MW-12 Screen 3	April/May 2003	MW-12-3	5.0 U	1.0 U	1.3	0.01 U	0.46
MW-12 Screen 3	April/May 2003	DUPE-6-2Q03	5.0 U	1.0 U	1.3	0.01 U	0.46
MW-12 Screen 3	July/Aug 2003	MW-12-3	NA	NA	2.4 J	0.01 U	0.60
MW-12 Screen 3	Oct/Nov 2003	MW-12-3	NA	NA	1.6 UJ	0.01 U	2.30
MW-12 Screen 3	Feb 2004	MW-12-3	NA	NA	0.7 U	0.01 U	26.10
MW-12 Screen 3	April/May 2004	MW-12-3	5.0 U	0.014 U	6.2	0.01 U	2.60
MW-12 Screen 4	Jan/Feb 2003	MW-12-4	NA	NA	NA	0.01 U	0.22
MW-12 Screen 4	April/May 2003	MW-12-4	5.0 U	1.0 U	1.3	0.01 U	0.31
MW-12 Screen 4	Oct/Nov 2003	MW-12-4	NA	NA	2.8 J	0.01 U	0.40
MW-12 Screen 4	April/May 2004	MW-12-4	5.0 U	0.12 U	9	0.01 U	1.30
MW-12 Screen 4	April/May 2004	DUPE-4-2Q04	5.0 U	0.001 J	8.2	0.004 J	1.30
MW-12 Screen 5	Jan/Feb 2003	MW-12-5	NA	NA	NA	0.01 U	7.08
MW-12 Screen 5	April/May 2003	MW-12-5	5.0 U	1.0 U	1.2	0.01 U	1.53
MW-12 Screen 5	Oct/Nov 2003	MW-12-5	NA	NA	4.7 J	0.01 U	21.00
MW-12 Screen 5	April/May 2004	MW-12-5	5.0 U	0.048 U	1.8	0.005 J	16.00
MW-13	Jan/Feb 2003	MW-13	NA	NA	90.0	0.055	0.18
MW-13	April/May 2003	MW-13	5.0 U	1.0 U	16.0 J	0.024	0.92
MW-13	July/Aug 2003	MW-13	NA	NA	8.5 J	0.01 U	4.00
MW-13	Oct/Nov 2003	MW-13	NA	NA	18.0 J	0.020	0.00
MW-13	Feb 2004	MW-13	NA	NA	63.0	0.052	3.87
MW-13	April/May 2004	MW-13	5.0 U	0.12 U	31.5	0.024	1.20
MW-14 Screen 1	Jan/Feb 2003	MW-14-1	NA	NA	3.5	0.01 U	7.24
MW-14 Screen 1	April/May 2003	MW-14-1	5.0 U	1.0 U	4.6 J	0.01 U	0.15
MW-14 Screen 1	July/Aug 2003	MW-14-1	NA	NA	3.9 J	0.01 U	2.10
MW-14 Screen 1	Oct/Nov 2003	MW-14-1	NA	NA	0.0 UJ	0.01 U	15.00
MW-14 Screen 1	Feb 2004	MW-14-1	NA	NA	4.4	0.01 U	3.00
MW-14 Screen 1	February 2004	DUPE-3-1Q04	NA	NA	5.3	0.01 U	4.10
MW-14 Screen 1	April/May 2004	MW-14-1	5.0 UJ	0.12 U	15	0.01 U	11.00
MW-14 Screen 2	Jan/Feb 2003	MW-14-2	NA	NA	3.7	0.01 U	0.09

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BEGINNING JANUARY 2003

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Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-14 Screen 2	April/May 2003	MW-14-2	5.0 U	1.0 U	4.4 J	0.01 U	0.11
MW-14 Screen 2	July/Aug 2003	MW-14-2	NA	NA	1.9 J	0.01 U	0.10
MW-14 Screen 2	Oct/Nov 2003	MW-14-2	NA	NA	2.3 J	0.01 U	2.20
MW-14 Screen 2	Feb 2004	MW-14-2	NA	NA	2.9	0.01 U	0.55
MW-14 Screen 2	April/May 2004	MW-14-2	2.6 UJ	0.12 U	11	0.01 U	1.80
MW-14 Screen 3	Jan/Feb 2003	MW-14-3	NA	NA	3.6	0.01 U	0.34
MW-14 Screen 3	April/May 2003	MW-14-3	5.0 U	1.0 U	3.2 J	0.01 U	0.17
MW-14 Screen 3	April/May 2003	DUPE-2-2Q03	5.0 U	1.0 U	2.6 J	0.01 U	0.17
MW-14 Screen 3	July/Aug 2003	MW-14-3	NA	NA	3.6 J	0.01 U	0.00
MW-14 Screen 3	July/Aug 2003	DUPE-4-3-Q03	NA	NA	3.4 J	0.01 U	0.75
MW-14 Screen 3	Oct/Nov 2003	MW-14-3	NA	NA	2.7 J	0.01 U	0.45
MW-14 Screen 3	Feb 2004	MW-14-3	NA	NA	3.9	0.01 U	1.40
MW-14 Screen 3	April/May 2004	MW-14-3	2.9 UJ	0.12 U	10.1	0.01 U	1.50
MW-14 Screen 4	Jan/Feb 2003	MW-14-4	NA	NA	NA	0.01 U	0.17
MW-14 Screen 4	Jan/Feb 2003	DUPE-3-1Q03	NA	NA	NA	0.01 U	0.17
MW-14 Screen 4	April/May 2003	MW-14-4	5.0 U	1.0 U	3.8 J	0.01 U	0.14
MW-14 Screen 4	July/Aug 2003	MW-14-4	NA	NA	1.6 J	0.01 U	1.10
MW-14 Screen 4	Oct/Nov 2003	MW-14-4	NA	NA	3.7 J	0.01 U	0.05
MW-14 Screen 4	April/May 2004	MW-14-4	5.0 UJ	0.12 U	9.2	0.01 U	0.55
MW-14 Screen 5	Jan/Feb 2003	MW-14-5	NA	NA	NA	0.01 U	3.83
MW-14 Screen 5	April/May 2003	MW-14-5	5.0 U	1.0 U	2.1 J	0.01 U	0.35
MW-14 Screen 5	Oct/Nov 2003	MW-14-5	NA	NA	1.8 UJ	0.01 U	1.70
MW-14 Screen 5	April/May 2004	MW-14-5	3.2 UJ	0.12 U	5.8	0.01 U	4.60
MW-15	Jan/Feb 2003	MW-15	NA	NA	6.3	0.01 U	1.23
MW-15	April/May 2003	MW-15	2.1 J	0.2 J	3.9 J	0.01 U	4.61
MW-15	July/Aug 2003	MW-15	NA	NA	3.9 J	0.01 U	19.00
MW-15	July/Aug 2003	Dupe-6-3-Q03	NA	NA	3.6 J	0.01 U	14.60
MW-15	Oct/Nov 2003	MW-15	NA	NA	3.4 J	0.01 U	1.20
MW-15	Oct/Nov 2003	DUPE-2-4-Q03	NA	NA	3.4 J	0.01 U	1.20
MW-15	Feb 2004	MW-15	NA	NA	1.3	0.01 U	0.32
MW-15	April/May 2004	MW-15	3.2 U	0.036 J	12.1	0.01 U	3.10
MW-15	April/May 2004	DUPE-6-2Q04	5.0 U	0.049 J	11.6	0.01 U	3.10
MW-16	Jan/Feb 2003	MW-16	NA	NA	7.2	0.01 U	0.06
MW-16	April/May 2003	MW-16	5.0 U	1.0 U	4.5 J	0.01 U	0.11
MW-16	July/Aug 2003	MW-16	NA	NA	2.7 J	0.01 U	2.90
MW-16	Oct/Nov 2003	MW-16	NA	NA	3.3 J	0.01 U	0.00
MW-16	Feb 2004	MW-7	NA	NA	8.2	0.01 U	0.15
MW-16	April/May 2004	MW-16	1.7 U	0.12 U	9.2	0.01 U	2.20
MW-17 Screen 1	April/May 2003	MW-17-1	5.0 U	1.0 U	2.9	0.01 U	0.28
MW-17 Screen 1	Oct/Nov 2003	MW-17-1	NA	NA	2.1 J	0.01 U	2.70
MW-17 Screen 1	April/May 2004	MW-17-1	5.0 U	0.12 U	7.3	0.01 U	0.70

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BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-17 Screen 2	Jan/Feb 2003	MW-17-2	NA	NA	2.1	0.01 U	4.82
MW-17 Screen 2	April/May 2003	MW-17-2	5.0 U	0.1 J	2.0	0.01 U	1.02
MW-17 Screen 2	July/Aug 2003	MW-17-2	NA	NA	2.6 J	0.01 U	2.30
MW-17 Screen 2	Oct/Nov 2003	MW-17-2	NA	NA	2.8 J	0.01 U	1.90
MW-17 Screen 2	Feb 2004	MW-17-2	NA	NA	3.2	0.01 U	34.40
MW-17 Screen 2	April/May 2004	MW-17-2	5.0 U	0.009 U	7.6	0.01 U	1.50
MW-17 Screen 3	Jan/Feb 2003	MW-17-3	NA	NA	3.8	0.01 U	7.56
MW-17 Screen 3	April/May 2003	MW-17-3	5.0 U	0.2 J	3.0	0.01 U	8.98
MW-17 Screen 3	July/Aug 2003	MW-17-3	NA	NA	4.0 J	0.01 U	16.30
MW-17 Screen 3	Oct/Nov 2003	MW-17-3	NA	NA	3.8 J	0.01 U	11.00
MW-17 Screen 3	Oct/Nov 2003	DUPE-5-4-Q03	NA	NA	3.7 J	0.01 U	13.00
MW-17 Screen 3	Feb 2004	MW-17-3	NA	NA	3.6	0.01 U	27.60
MW-17 Screen 3	April/May 2004	MW-17-3	2.5 J	0.001 J	8.1	0.01 U	11.00
MW-17 Screen 4	Jan/Feb 2003	MW-17-4	NA	NA	2.5	0.01 U	2.30
MW-17 Screen 4	April/May 2003	MW-17-4	2.2 J	0.2 J	2.2	0.01 U	3.57
MW-17 Screen 4	July/Aug 2003	MW-17-4	NA	NA	1.9 J	0.01 U	2.03
MW-17 Screen 4	Oct/Nov 2003	MW-17-4	NA	NA	1.5 UJ	0.01 U	1.60
MW-17 Screen 4	Feb 2004	MW-17-4	NA	NA	2.1	0.01 U	31.80
MW-17 Screen 4	April/May 2004	MW-17-4	3.9 J	0.14	5.6	0.01 U	2.80
MW-17 Screen 5	April/May 2003	MW-17-5	3.2 J	0.6 J	1.6	0.01 U	331.00
MW-17 Screen 5	Oct/Nov 2003	MW-17-5	NA	NA	1.7 UJ	0.01 U	65.00
MW-17 Screen 5	April/May 2004	MW-17-5	12.0 J	73.3	8.3	0.01 U	999.00
MW-18 Screen 1	April/May 2003	MW-18-1	5.0 UJ	1.0 U	0.4 UJ	0.01 U	0.18
MW-18 Screen 1	Oct/Nov 2003	MW-18-1	NA	NA	1.5 U	0.01 U	0.50
MW-18 Screen 1	April/May 2004	MW-18-1	5.0 U	0.12 U	8.4 J	0.01 U	2.30
MW-18 Screen 2	Jan/Feb 2003	MW-18-2	NA	NA	3.6	0.01 U	1.30
MW-18 Screen 2	April/May 2003	MW-18-2	5.0 UJ	1.0 U	1.0 UJ	0.01 U	0.54
MW-18 Screen 2	July/Aug 2003	MW-18-2	NA	NA	2.1 J	0.01 U	4.30
MW-18 Screen 2	Oct/Nov 2003	MW-18-2	NA	NA	1.9 U	0.01 U	1.20
MW-18 Screen 2	Feb 2004	MW-18-2	NA	NA	3.5	0.01 U	1.00
MW-18 Screen 2	April/May 2004	MW-18-2	5.0 U	0.12 U	9.3 J	0.01 U	1.80
MW-18 Screen 3	Jan/Feb 2003	MW-18-3	NA	NA	7.8	0.01 U	0.12
MW-18 Screen 3	April/May 2003	MW-18-3	5.0 UJ	1.0 U	5.4 J	0.01 U	0.22
MW-18 Screen 3	July/Aug 2003	MW-18-3	NA	NA	5.9 J	0.01 U	0.00
MW-18 Screen 3	Oct/Nov 2003	MW-18-3	NA	NA	5.9	0.01 U	0.35
MW-18 Screen 3	Feb 2004	MW-18-3	NA	NA	8.6	0.01 U	0.00
MW-18 Screen 3	April/May 2004	MW-18-3	5.0 U	0.12 U	15.5 J	0.01 U	0.10
MW-18 Screen 4	Jan/Feb 2003	MW-18-4	NA	NA	4.1	0.01 U	1.19
MW-18 Screen 4	April/May 2003	MW-18-4	5.0 UJ	0.1 J	2.0 J	0.01 U	0.44
MW-18 Screen 4	April/May 2003	DUPE-7-2Q03	5.0 UJ	0.1 J	2.2 J	0.01 U	0.44
MW-18 Screen 4	July/Aug 2003	MW-18-4	NA	NA	2.7 J	0.01 U	34.30

TABLE 3-7
SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-18 Screen 4	Oct/Nov 2003	MW-18-4	NA	NA	2.6 U	0.01 U	2.80
MW-18 Screen 4	Feb 2004	MW-18-4	NA	NA	5.4	0.01 U	2.80
MW-18 Screen 4	April/May 2004	MW-18-4	5.0 U	0.12 U	6.9 J	0.01 U	1.80
MW-18 Screen 5	Jan/Feb 2003	MW-18-5	NA	NA	NA	0.01 U	0.67
MW-18 Screen 5	April/May 2003	MW-18-5	5.0 UJ	1.0 U	0.4 UJ	0.01 U	0.14
MW-18 Screen 5	Oct/Nov 2003	MW-18-5	NA	NA	1.0 U	0.01 U	1.20
MW-18 Screen 5	April/May 2004	MW-18-5	5.0 U	0.12 U	6.1 J	0.01 U	1.00
MW-19 Screen 1	Jan/Feb 2003	MW-19-1	NA	NA	NA	0.01 U	74.20
MW-19 Screen 1	April/May 2003	MW-19-1	5.0 U	1.0 U	1.7 J	0.01 U	28.30
MW-19 Screen 1	Oct/Nov 2003	MW-19-1	NA	NA	1.2 U	0.01 U	46.90
MW-19 Screen 1	April/May 2004	MW-19-1	5.0 U	0.23	0.58 U	0.01 U	28.00
MW-19 Screen 2	Jan/Feb 2003	MW-19-2	NA	NA	NA	0.01 U	8.71
MW-19 Screen 2	April/May 2003	MW-19-2	5.0 U	1.0 U	4.2 J	0.01 U	6.23
MW-19 Screen 2	Oct/Nov 2003	MW-19-2	NA	NA	4.0	0.01 U	38.90
MW-19 Screen 2	April/May 2004	MW-19-2	5.0 U	0.001 J	10	0.01 U	10.00
MW-19 Screen 3	Jan/Feb 2003	MW-19-3	NA	NA	NA	0.01 U	7.07
MW-19 Screen 3	April/May 2003	MW-19-3	5.0 U	1.0 U	5.0 J	0.01 U	3.03
MW-19 Screen 3	Oct/Nov 2003	MW-19-3	NA	NA	4.3 J	0.01 U	8.61
MW-19 Screen 3	April/May 2004	MW-19-3	5.0 U	0.12 U	10.7	0.01 U	3.60
MW-19 Screen 4	Jan/Feb 2003	MW-19-4	NA	NA	NA	0.01 U	1.47
MW-19 Screen 4	Jan/Feb 2003	DUPE-2-1Q03	NA	NA	NA	0.01 U	1.47
MW-19 Screen 4	April/May 2003	MW-19-4	5.0 U	1.0 U	2.4 J	0.01 U	0.54
MW-19 Screen 4	Oct/Nov 2003	MW-19-4	NA	NA	2.4 U	0.01 U	1.12
MW-19 Screen 4	April/May 2004	MW-19-4	5.0 U	0.12 U	7.3	0.01 U	1.20
MW-19 Screen 5	Jan/Feb 2003	MW-19-5	NA	NA	NA	0.01 U	8.01
MW-19 Screen 5	April/May 2003	MW-19-5	5.0 U	1.0 U	2.5 J	0.01 U	3.84
MW-19 Screen 5	Oct/Nov 2003	MW-19-5	NA	NA	1.8 U	0.01 U	13.70
MW-19 Screen 5	April/May 2004	MW-19-5	5.0 U	0.12 U	5.4	0.01 U	6.10
MW-20 Screen 1	Jan/Feb 2003	MW-20-1	NA	NA	2.8	0.01 U	0.41
MW-20 Screen 1	Jan/Feb 2003	DUPE-1-1Q03	NA	NA	2.5	0.01 U	0.41
MW-20 Screen 1	April/May 2003	MW-20-1	5.0 U	1.0 U	2.4 J	0.01 U	0.12
MW-20 Screen 1	April/May 2003	DUPE-3-2Q03	5.0 U	1.0 U	2.1 J	0.01 U	0.12
MW-20 Screen 1	July/Aug 2003	MW-20-1	NA	NA	1.8 J	0.01 U	1.02
MW-20 Screen 1	Oct/Nov 2003	MW-20-1	NA	NA	1.9 J	0.01 U	1.50
MW-20 Screen 1	Feb 2004	MW-20-1	NA	NA	3.2	0.01 U	0.00
MW-20 Screen 1	April/May 2004	MW-20-1	5.0 U	0.12 U	6.6 J	0.01 U	1.40
MW-20 Screen 2	Jan/Feb 2003	MW-20-2	NA	NA	2.2	0.01 U	0.11
MW-20 Screen 2	April/May 2003	MW-20-2	5.0 U	1.0 U	2.1 J	0.01 U	0.06
MW-20 Screen 2	July/Aug 2003	MW-20-2	NA	NA	1.5 J	0.01 U	0.12
MW-20 Screen 2	Oct/Nov 2003	MW-20-2	NA	NA	1.3 UJ	0.01 U	0.00
MW-20 Screen 2	Oct/Nov 2003	DUPE-6-4-Q03	NA	NA	1.4 UJ	0.01 U	0.35

TABLE 3-7
SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-20 Screen 2	Feb 2004	MW-20-2	NA	NA	2.6	0.01 U	0.50
MW-20 Screen 2	April/May 2004	MW-20-2	5.0 U	0.12 U	5.1 J	0.01 U	0.40
MW-20 Screen 3	Jan/Feb 2003	MW-20-3	NA	NA	1.7 U	0.01 U	0.31
MW-20 Screen 3	April/May 2003	MW-20-3	5.0 U	1.0 U	4.2 J	0.01 U	0.08
MW-20 Screen 3	July/Aug 2003	MW-20-3	NA	NA	4.0 J	0.01 U	0.25
MW-20 Screen 3	July/Aug 2003	DUPE-2-3-Q03	NA	NA	4.0 J	0.01 U	0.00
MW-20 Screen 3	Oct/Nov 2003	MW-20-3	NA	NA	2.9 J	0.01 U	0.20
MW-20 Screen 3	Feb 2004	MW-20-3	NA	NA	4.2	0.01 U	0.85
MW-20 Screen 3	April/May 2004	MW-20-3	2.5 J	0.12 U	10.5 J	0.01 U	0.30
MW-20 Screen 4	Jan/Feb 2003	MW-20-4	NA	NA	2.4	0.01 U	5.14
MW-20 Screen 4	April/May 2003	MW-20-4	5.0 U	1.0 U	2.2 J	0.01 U	0.85
MW-20 Screen 4	July/Aug 2003	MW-20-4	NA	NA	1.9 J	0.01 U	10.35
MW-20 Screen 4	Oct/Nov 2003	MW-20-4	NA	NA	1.6 J	0.01 U	4.40
MW-20 Screen 4	Feb 2004	MW-20-4	NA	NA	2.7	0.01 U	13.00
MW-20 Screen 4	April/May 2004	MW-20-4	5.0 U	0.12 U	6.5 J	0.01 U	11.00
MW-20 Screen 5	Jan/Feb 2003	MW-20-5	NA	NA	2.7	0.01 U	0.87
MW-20 Screen 5	April/May 2003	MW-20-5	5.0 U	1.0 U	1.7 J	0.01 U	0.13
MW-20 Screen 5	July/Aug 2003	MW-20-5	NA	NA	1.6 J	0.01 U	0.21
MW-20 Screen 5	Oct/Nov 2003	MW-20-5	NA	NA	1.3 UJ	0.01 U	0.15
MW-20 Screen 5	Feb 2004	MW-20-5	NA	NA	2.8	0.01 U	0.70
MW-20 Screen 5	April/May 2004	MW-20-5	5.0 U	0.12 U	4.5 J	0.01 U	0.50
MW-21 Screen 1	Jan/Feb 2003	MW-21-1	NA	NA	4.8	0.01 U	1.64
MW-21 Screen 1	April/May 2003	MW-21-1	5.0 U	1.0 U	3.5 J	0.01 U	2.74
MW-21 Screen 1	July/Aug 2003	MW-21-1	NA	NA	3.8 J	0.01 U	0.18
MW-21 Screen 1	Oct/Nov 2003	MW-21-1	NA	NA	3.0 J	0.01 U	6.80
MW-21 Screen 1	Feb 2004	MW-21-1	NA	NA	5.1	0.01 U	4.20
MW-21 Screen 1	April/May 2004	MW-21-1	5.0 U	0.12 U	10.9	0.01 U	3.20
MW-21 Screen 2	Jan/Feb 2003	MW-21-2	NA	NA	6.7	0.01 U	0.63
MW-21 Screen 2	April/May 2003	MW-21-2	5.0 U	1.0 U	4.8 J	0.01 U	0.93
MW-21 Screen 2	July/Aug 2003	MW-21-2	NA	NA	4.2 J	0.01 U	0.15
MW-21 Screen 2	Oct/Nov 2003	MW-21-2	NA	NA	4.5 J	0.01 U	1.30
MW-21 Screen 2	Feb 2004	MW-21-2	NA	NA	5.0	0.01 U	1.60
MW-21 Screen 2	April/May 2004	MW-21-2	5.0 U	0.013 J	11.7	0.01 U	4.50
MW-21 Screen 3	Jan/Feb 2003	MW-21-3	NA	NA	5.9	0.01 U	1.07
MW-21 Screen 3	April/May 2003	MW-21-3	5.0 U	1.0 U	3.7 J	0.01 U	0.31
MW-21 Screen 3	July/Aug 2003	MW-21-3	NA	NA	3.7 J	0.01 U	0.59
MW-21 Screen 3	Oct/Nov 2003	MW-21-3	NA	NA	4.1 J	0.01 U	1.40
MW-21 Screen 3	Feb 2004	MW-21-3	NA	NA	4.4	0.01 U	1.50
MW-21 Screen 3	April/May 2004	MW-21-3	5.0 U	0.12 U	12.2	0.01 U	1.80
MW-21 Screen 4	Jan/Feb 2003	MW-21-4	NA	NA	4.7	0.01 U	0.36
MW-21 Screen 4	April/May 2003	MW-21-4	2.2 J	1.0 U	3.8 J	0.01 U	0.24

TABLE 3-7
SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-21 Screen 4	July/Aug 2003	MW-21-4	NA	NA	4.0 J	0.01 U	0.55
MW-21 Screen 4	Oct/Nov 2003	MW-21-4	NA	NA	4.3 J	0.01 U	0.25
MW-21 Screen 4	Feb 2004	MW-21-4	NA	NA	5.3	0.01 U	0.45
MW-21 Screen 4	April/May 2004	MW-21-4	5.0 U	0.12 U	8.3	0.01 U	0.90
MW-21 Screen 5	Jan/Feb 2003	MW-21-5	NA	NA	5.7	0.01 U	1.31
MW-21 Screen 5	April/May 2003	MW-21-5	5.0 U	1.0 U	2.7 J	0.01 U	0.06
MW-21 Screen 5	July/Aug 2003	MW-21-5	NA	NA	2.9 J	0.01 U	1.17
MW-21 Screen 5	Oct/Nov 2003	MW-21-5	NA	NA	4.0 J	0.01 U	3.00
MW-21 Screen 5	Feb 2004	MW-21-5	NA	NA	5.0	0.01 U	1.40
MW-21 Screen 5	April/May 2004	MW-21-5	5.0 U	0.026 J	8.3	0.01 U	4.90
MW-22 Screen 1	Jan/Feb 2003	MW-22-1	NA	NA	4.1	0.01 U	18.30
MW-22 Screen 1	April/May 2003	MW-22-1	5.0 U	1.0 U	1.9 J	0.01 U	0.17
MW-22 Screen 1	July/Aug 2003	MW-22-1	NA	NA	4.2 J	0.01 U	5.60
MW-22 Screen 1	Oct/Nov 2003	MW-22-1	NA	NA	3.0 J	0.01 U	19.00
MW-22 Screen 1	Feb 2004	MW-22-1	NA	NA	6.8	0.01 U	11.00
MW-22 Screen 1	April/May 2004	MW-22-1	5.0 UJ	0.02 U	10.3	0.01 U	15.00
MW-22 Screen 2	Jan/Feb 2003	MW-22-2	NA	NA	3.5	0.01 U	0.85
MW-22 Screen 2	Jan/Feb 2003	DUPE-5-1Q03	NA	NA	3.2	0.01 U	0.85
MW-22 Screen 2	April/May 2003	MW-22-2	5.0 U	1.0 U	0.6 UJ	0.01 U	0.07
MW-22 Screen 2	July/Aug 2003	MW-22-2	NA	NA	2.7 J	0.01 U	0.75
MW-22 Screen 2	July/Aug 2003	DUPE-5-3-Q03	NA	NA	2.5 J	0.01 U	4.80
MW-22 Screen 2	Oct/Nov 2003	MW-22-2	NA	NA	0.9 UJ	0.01 U	1.30
MW-22 Screen 2	Feb 2004	MW-22-2	NA	NA	4.7	0.01 U	1.32
MW-22 Screen 2	April/May 2004	MW-22-2	5.0 UJ	0.12 U	7.6	0.01 U	1.50
MW-22 Screen 3	Jan/Feb 2003	MW-22-3	NA	NA	3.6	0.01 U	1.63
MW-22 Screen 3	April/May 2003	MW-22-3	5.0 U	1.0 U	0.8 UJ	0.01 U	0.09
MW-22 Screen 3	July/Aug 2003	MW-22-3	NA	NA	2.9 J	0.01 U	0.70
MW-22 Screen 3	Oct/Nov 2003	MW-22-3	NA	NA	3.2 J	0.01 U	0.20
MW-22 Screen 3	Feb 2004	MW-22-3	NA	NA	6.6	0.01 U	0.87
MW-22 Screen 3	April/May 2004	MW-22-3	5.0 UJ	0.12 U	8.5	0.01 U	0.25
MW-22 Screen 4	April/May 2003	MW-22-4	5.0 U	1.0 U	2.4 J	0.01 U	0.07
MW-22 Screen 4	Oct/Nov 2003	MW-22-4	NA	NA	3.1 J	0.01 U	0.80
MW-22 Screen 4	April/May 2004	MW-22-4	3.0 UJ	0.12 U	8.1	0.01 U	0.65
MW-22 Screen 5	April/May 2003	MW-22-5	5.0 U	1.0 U	1.0 UJ	0.01 U	0.20
MW-22 Screen 5	Oct/Nov 2003	MW-22-5	NA	NA	0.7 UJ	0.01 U	0.90
MW-22 Screen 5	April/May 2004	MW-22-5	2.7 UJ	0.017 U	2.6 J	0.004 J	0.25
MW-22 Screen 5	April/May 2004	DUPE-2-2Q04	5.0 UJ	0.039 U	4.6 J	0.004 J	0.25
MW-23 Screen 1	Jan/Feb 2003	MW-23-1	NA	NA	3.4	0.01 U	5.77
MW-23 Screen 1	April/May 2003	MW-23-1	5.0 U	1.0 U	4.4	0.01 U	15.30
MW-23 Screen 1	July/Aug 2003	MW-23-1	NA	NA	4.2 J	0.01 U	4.60
MW-23 Screen 1	Oct/Nov 2003	MW-23-1	NA	NA	4.6 J	0.01 U	4.70

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SUMMARY OF METALS DETECTED DURING THE
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BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-23 Screen 1	Feb 2004	MW-23-1	NA	NA	8.1	0.01 U	25.00
MW-23 Screen 1	April/May 2004	MW-23-1	5.0 U	0.024 U	11.9	0.01 U	0.83
MW-23 Screen 2	Jan/Feb 2003	MW-23-2	NA	NA	3.8	0.01 U	0.52
MW-23 Screen 2	April/May 2003	MW-23-2	5.0 U	1.0 U	2.9	0.01 U	0.05
MW-23 Screen 2	July/Aug 2003	MW-23-2	NA	NA	3.9 J	0.01 U	0.60
MW-23 Screen 2	Oct/Nov 2003	MW-23-2	NA	NA	3.5 J	0.01 U	1.80
MW-23 Screen 2	Feb 2004	MW-23-2	NA	NA	5.9	0.01 U	0.55
MW-23 Screen 2	April/May 2004	MW-23-2	2.5 U	0.004 J	9.8	0.005 J	0.80
MW-23 Screen 3	Jan/Feb 2003	MW-23-3	NA	NA	3.9	0.01 U	1.12
MW-23 Screen 3	April/May 2003	MW-23-3	5.0 U	1.0 U	3.7	0.01 U	0.32
MW-23 Screen 3	July/Aug 2003	MW-23-3	NA	NA	3.5 J	0.01 U	6.80
MW-23 Screen 3	Oct/Nov 2003	MW-23-3	NA	NA	4.2 J	0.01 U	2.60
MW-23 Screen 3	Feb 2004	MW-23-3	NA	NA	5.2	0.01 U	9.90
MW-23 Screen 3	Feb 2004	DUPE-4-1Q04	NA	NA	5.0	0.01 U	14.00
MW-23 Screen 3	April/May 2004	MW-23-3	5.0 U	0.12 U	8.3	0.004 J	10.00
MW-23 Screen 4	Jan/Feb 2003	MW-23-4	NA	NA	2.5	0.01 U	0.12
MW-23 Screen 4	April/May 2003	MW-23-4	5.0 U	1.0 U	2.2	0.01 U	0.12
MW-23 Screen 4	July/Aug 2003	MW-23-4	NA	NA	2.6 J	0.01 U	0.30
MW-23 Screen 4	Oct/Nov 2003	MW-23-4	NA	NA	2.6 J	0.01 U	0.00
MW-23 Screen 4	Feb 2004	MW-23-4	NA	NA	3.3	0.01 U	0.30
MW-23 Screen 4	April/May 2004	MW-23-4	3.3 U	0.005 J	6.7	0.004 J	0.55
MW-23 Screen 5	April/May 2003	MW-23-5	3.2 J	0.6 J	1.7	0.01 U	0.89
MW-23 Screen 5	Oct/Nov 2003	MW-23-5	NA	NA	1.8 UJ	0.01 U	2.60
MW-23 Screen 5	April/May 2004	MW-23-5	4.0 U	1.2	7.1	0.004 J	2.80
MW-24 Screen 1	Jan/Feb 2003	MW-24-1	NA	NA	4.9	0.01 U	3.78
MW-24 Screen 1	April/May 2003	MW-24-1	5.0 U	1.0 U	5.7	0.01 U	7.98
MW-24 Screen 1	July/Aug 2003	MW-24-1	NA	NA	3.0	0.01 U	4.90
MW-24 Screen 1	Oct/Nov 2003	MW-24-1	NA	NA	4.0	0.01 U	11.00
MW-24 Screen 1	Feb 2004	MW-24-1	NA	NA	5.8	0.01 U	8.41
MW-24 Screen 1	April/May 2004	MW-24-1	2.0 U	0.024 J	7.9	0.01 U	2.30
MW-24 Screen 2	Jan/Feb 2003	MW-24-2	NA	NA	2.4	0.01 U	1.68
MW-24 Screen 2	April/May 2003	MW-24-2	5.0 U	1.0 U	2.3	0.01 U	2.28
MW-24 Screen 2	April/May 2003	DUPE-4-2Q03	5.0 U	1.0 U	2.0	0.01 U	2.28
MW-24 Screen 2	July/Aug 2003	MW-24-2	NA	NA	2.0	0.01 U	6.10
MW-24 Screen 2	Oct/Nov 2003	MW-24-2	NA	NA	2.7 U	0.01 U	3.90
MW-24 Screen 2	Feb 2004	MW-24-2	NA	NA	2.3	0.01 U	3.98
MW-24 Screen 2	April/May 2004	MW-24-2	3.5 U	0.12 U	6.2	0.01 U	4.60
MW-24 Screen 3	Jan/Feb 2003	MW-24-3	NA	NA	2.5	0.01 U	4.99
MW-24 Screen 3	April/May 2003	MW-24-3	4.4 J	1.0 U	2.2	0.01 U	0.87
MW-24 Screen 3	July/Aug 2003	MW-24-3	NA	NA	1.3	0.01 U	2.90
MW-24 Screen 3	Oct/Nov 2003	MW-24-3	NA	NA	1.7 U	0.01 U	2.80

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SUMMARY OF METALS DETECTED DURING THE
LONG-TERM QUARTERLY GROUNDWATER SAMPLING PROGRAM
BEGINNING JANUARY 2003

Shaded values exceed State or Federal MCLs or action levels.

Sample Location	Sampling Event	Sample Number	Arsenic (ug/L)	Lead (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (mg/L)	Field Turbidity (NTU)
MW-24 Screen 3	Feb 2004	MW-24-3	NA	NA	3.6	0.01 U	2.84
MW-24 Screen 3	April/May 2004	MW-24-3	4.3 U	0.012 J	5.1	0.01 U	3.90
MW-24 Screen 4	Jan/Feb 2003	MW-24-4	NA	NA	1.5	0.01 U	0.22
MW-24 Screen 4	April/May 2003	MW-24-4	5.0 U	1.0 U	0.3 J	0.01 U	2.81
MW-24 Screen 4	July/Aug 2003	MW-24-4	NA	NA	0.7 J	0.01 U	0.55
MW-24 Screen 4	Oct/Nov 2003	MW-24-4	NA	NA	1.2 U	0.01 U	0.15
MW-24 Screen 4	Oct/Nov 2003	DUPE-1-4Q03	NA	NA	1.1 U	0.01 U	0.45
MW-24 Screen 4	Feb 2004	MW-24-4	NA	NA	1.5	0.01 U	0.66
MW-24 Screen 4	April/May 2004	MW-24-4	2.2 U	0.12 U	4.3	0.01 U	1.50
MW-24 Screen 5	April/May 2003	MW-24-5	2.7 J	1.0 U	4.1	0.01 U	0.30
MW-24 Screen 5	Oct/Nov 2003	MW-24-5	NA	NA	3.7	0.01 U	0.40
MW-24 Screen 5	April/May 2004	MW-24-5	3.8 U	0.12 U	7.6	0.01 U	0.60
California Maximum Contaminant Level (MCL)			50.0	15.0*	50.0	0.05 ⁽¹⁾	NE
EPA Region IX Maximum Contaminant Level			50.0	15.0*	100.0	NE	NE

Notes

- DUPE Field Duplicate
- J Indicates an estimated value.
- MCL Maximum Contaminant Level
- ug/L Micrograms per liter
- mg/L Milligrams per liter
- NTU Nephelometric Turbidity Unit
- NA Not analyzed for this metal during this quarter.
- NE Not established
- U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.
- * Interim Action Level - California Department of Health Services
- (1) As of January 6, 2004, hexavalent chromium is regulated under the 50-ug/L MCL for total chromium. DHS will be adopting an MCL that is specific for hexavalent chromium (DHS, 2004).

TABLE 3-8
SUMMARY OF NDMA AND 1,4-DIOXANE
DETECTED IN GROUNDWATER SAMPLES
COLLECTED FROM JPL MONITORING WELLS
ARPIL - MAY 2004

(All Concentrations Are Reported in Micrograms per Liter)
Shaded Values Exceed the State or Federal Action Levels.

Sample Location	NDMA⁽¹⁾		1,4-Dioxane⁽²⁾	
	Concentration	Sample Date	Concentration	Sample Date
MW-4-1	--	5/11/2004	--	5/11/2004
MW-13	--	5/25/2004	5.3	5/25/2004
MW-16	--	5/19/2004	3.1	5/19/2004
MW-17-4	--	5/11/2004	--	5/11/2004
MW-24-1	0.000511 J	5/18/2004	3.2	5/18/2004
California MCL	NE		NE	
Interim Action Level	0.01 ⁽³⁾		3.0 ⁽³⁾	
EPA Region IX MCL	NE		NE	

Notes

- Not Detected
- (1) The Reporting Limit for NDMA is 0.002 micorgrams per liter
- (2) Detection Limit for 1,4-Dioxane is 1.0 microgram per liter
- (3) Interim Action Level - California Department of Health Services
- J Indicates an estimated value
- MCL Maximum Contaminant Level
- NE Not Established

TABLE 3-9
SUMMARY OF CONTAMINANTS DETECTED IN QUALITY CONTROL SAMPLES
COLLECTED DURING THE APRIL - MAY 2004 SAMPLING EVENT

Blank Type	Sample ID Number	Sampling Location(s)	Total Chromium (ug/L)	Chromium (VI) (mg/L)	Lead (ug/L)	m,p-Xylenes (ug/L)
Equipment Blank	EB-2-4/30/04	MW-21	2.1	0.01 U	0.25	0.5 U
Equipment Blank	EB-3-5/3/04	MW-20	2.1	0.01 U	0.19	0.5 J
Equipment Blank	EB-4-5/4/04	MW-18	1.7 J	0.01 U	0.081 J	0.4 J
Equipment Blank	EB-7-5/10/04	MW-22	0.34 UJ	0.004 J	0.01 U	0.5 U
Equipment Blank	EB-8-5/11/04	MW-4	0.27 UJ	0.01 U	0.033 UJ	0.8

Notes

J Indicates an estimated value.

ug/L Micrograms per liter

mg/L Milligrams per liter

U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

TABLE 4-1
SUMMARY OF WATER-CHEMISTRY RESULTS FROM GROUNDWATER SAMPLES
COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

(All Concentrations Are Reported in Milligrams per Liter)

Well/Screen Number	ANIONS					CATIONS					Measured Alkalinity	Measured pH (pH unit)
	Cl ⁻	CO ₃ ²⁻	HCO ₃ ⁻	NO ₃ -N	SO ₄ ²⁻	Na ⁺	Mg ²⁺	K ⁺	Ca ²⁺	Fe ²⁺		
MW-1	21.6	2 U	217	0.92	45.1	26.6	20	2.88	62.2	0.0947	217	7.20
MW-3												
Screen 1	17.7	2 U	170	1	40.2	22.8	20.7	3.13	49.7	0.46	170	7.46
Screen 2	16.7	2 U	148	0.86	36.6	20.3	19.7	2.83	39.6	0.273	148	7.44
Screen 3	37.5	2 U	120	0.29 J	27.7	40.6	13.2	2.87	26.7	0.318	120	7.86
Screen 4	15.1	2 U	152	1.3	17	46.8	8.64	1.92	22.7	0.541	152	7.59
Screen 5	15	2 U	139	0.094 J	12.4	48.1	8.33	2.05	19.5	29.4	139	7.86
MW-4												
Screen 1	12.1	2 U	165	0.054 J	37.9	17.4	14.9	2.26 J	45.7	1.32 J	165	7.16
Screen 2	97.3	2 U	228	9.2	118	33.3	39.9	3.11 J	115	0.85 J	228	7.07
Screen 3	23.3	2 U	184	0.11 J	1.4 J	33.6	14.4	2.37 J	32.1	4.48 J	184	7.50
Screen 4	20.3	2 U	151	0.82	7.5	36.7	11.3	1.91 J	23.1	0.691 J	151	7.86
Screen 5	20.1	2.4	132	0.16 U	6.9	33.8	10.5	1.8 J	16.2	17.5 J	132	8.23
MW-5	14	2 U	136	1.7	32.7	15	13.5	2.52	40.1	0.696	136	7.00
MW-6	96.6	2 U	244	8.9	116	30.7	39.2	2.3	118	1.34	244	6.83
MW-7	37.3	2 U	185	6	42.9	22.9	21.2	2.82	62.6	1.47	185	7.86
MW-8	14.2	2 U	161	1.3	40	16.1	15.6	2.24	46.2	0.0405 U	161	7.22
MW-9	15.9	2 U	175	1.5	35.3	22.9	17.2	3.25	51.6	1.71	175	6.79
MW-10	104	2 U	235	14.4	149	30.1	42.7	3.38	129	0.153 U	235	6.81
MW-11												
Screen 1	22.3	2 U	204	1.1	44.6	23.4	19.2	2.76	52.3	0.29	204	7.73
Screen 2	16.2	2 U	175	0.063 J	34.2	21.9	17.3	2.65	40.1	0.5	175	7.94
Screen 3	12.2	2 U	179	0.12	23.6	24.9	13.1	1.93	39	1.14	179	7.85
Screen 4	12	14.4	92.8	0.06 J	1.3	24.3	8.62	1.75	9.64	0.0529	92.8	8.77
Screen 5	13.3	12	114	0.064 J	13	43.6	1.84	1.11	15	0.33	114	8.36
MW-12												
Screen 1	20.7	2 U	176	0.89	35.3	21.5	17.8	2.71	42.6	0.507	176	7.76
Screen 2	18	2 U	201	1.3	38.2	21.8	16.8	2.59	50.2	0.145	201	7.60
Screen 3	16.7	2 U	151	0.091 J	30.6	23.1	15.3	2.71	34.2	0.277	151	7.99
Screen 4	15.8	2 U	196	1.1	31.5	21.7	13.7	1.92	53.8	0.1	196	7.65
Screen 5	14.5	2 U	175	1.2	17.3	34.6	10	1.75	33.6	0.544	175	7.88
MW-13	56.5	2 U	149	7.1	67.7	25.4	20.9	2.43	61.3	0.05 U	149	7.01

TABLE 4-1
SUMMARY OF WATER-CHEMISTRY RESULTS FROM GROUNDWATER SAMPLES
COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

(All Concentrations Are Reported in Milligrams per Liter)

Well/Screen Number	ANIONS					CATIONS					Measured Alkalinity	Measured pH (pH unit)
	Cl ⁻	CO ₃ ²⁻	HCO ₃ ⁻	NO ₃ -N	SO ₄ ²⁻	Na ⁺	Mg ²⁺	K ⁺	Ca ²⁺	Fe ²⁺		
MW-14												
Screen 1	133	2 U	207	16.8	187	51.7	45.9	2.89	139	0.916	207	6.57
Screen 2	101	2 U	228	13.4	160	34.1	50	2.7	138	0.123 U	228	7.16
Screen 3	98.8	2 U	210	13.2	136	43.1	48.9	3.48	115	0.115 U	210	7.26
Screen 4	41.4	2 U	154	10.7	34.2	29.9	20.6	2.14	58	0.0835 U	154	7.43
Screen 5	12.3	2 U	132	0.12	17.2	31	13	1.94	18.2	0.467	132	7.96
MW-15	24.3	2 U	187	1.3	45.4	26	18.3	2.9	53.2	0.345	187	7.39
MW-16	40.2	2 U	157	4.4	28.2	24.4	19.2	2.29	49.8	0.05 U	157	7.20
MW-17												
Screen 1	10	2 U	157	0.49	31.4	14.2	15.8	2.09	47.6	0.116	157	7.18
Screen 2	46.9	2 U	147	5.4	62.9	18.4	27.9	2.74	69.8	0.153	147	7.61
Screen 3	37.6	2 U	164	3.5	44.5	21.1	22.1	2.03	46	0.786	164	7.70
Screen 4	12.3	2 U	130	0.12	15.2	34.6	6.59	1.54 U	20.7	0.138	130	8.05
Screen 5	10.9	2 U	114	0.077 J	18.2	49	9.89	3.15	30.4	18.1	114	8.05
MW-18												
Screen 1	14.4	2 U	140	1.4	41	15.9	15.8	2.28	46.9	0.328 U	140	7.10
Screen 2	13.9	2 U	164	0.89	35.8	20.3	18.6	2.47	55.6	0.265 U	164	7.50
Screen 3	18.8	2 U	219	1.2	40.1	23.5	20	2.84	66.7	0.105 U	219	7.66
Screen 4	10.4	2 U	157	1.1	22.7	27.9	13.2	1.8	38.2	0.446	157	7.82
Screen 5	10.8	0.96 J	123	0.08 U	4.8	55.1	4.52	1.64	8.55	0.123 U	123	8.70
MW-19												
Screen 1	20.8	2 U	125	3.2	27.9	15.3	16.3	2.42 J	42.2	3.5	125	7.19
Screen 2	100	2 U	175	13.7	139	33	43.3	2.86 J	118	0.973	175	6.71
Screen 3	59.2	2 U	228	9.9	65.6	29.7	31.8	2.58 J	82.4	0.409	228	7.54
Screen 4	47.4	2 U	168	5.5	49.5	26.2	27.7	2.23 J	54.5	0.158 U	168	7.63
Screen 5	70.5	2 U	154	0.98	6.3 U	31.8	33.2	2.71 J	44.6	0.563	154	7.75
MW-20												
Screen 1	15.4	2 U	163	2.3	44.8	16.8	18	2.4	54.2	0.112	163	7.28
Screen 2	8.2	2 U	134	0.84	26.1	13.1	15.5	1.78	35.8	0.0472 J	134	7.91
Screen 3	36.1	2 U	188	2.9	27.5	60.2	14.6	2.33	40.1	0.0498 J	188	7.59
Screen 4	10.4	2 U	183	0.079 J	9.2	58.6	3.06	1.03	11.3	0.905	183	8.68
Screen 5	9.6	0.96 J	141	0.087	3.7	70.7	1.2	1.5	5.01	0.0566	141	8.94

TABLE 4-1
SUMMARY OF WATER-CHEMISTRY RESULTS FROM GROUNDWATER SAMPLES
COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004
(All Concentrations Are Reported in Milligrams per Liter)

Well/Screen Number	ANIONS					CATIONS					Measured Alkalinity	Measured pH (pH unit)
	Cl ⁻	CO ₃ ²⁻	HCO ₃ ⁻	NO ₃ -N	SO ₄ ²⁻	Na ⁺	Mg ²⁺	K ⁺	Ca ²⁺	Fe ²⁺		
MW-21												
Screen 1	119	2 U	178	13.1	181	34	44.5	2.51 J	131	0.295 U	178	6.67
Screen 2	146	2 U	277	9.8	168	71.1	46.4	3.71 J	138	0.601	277	6.70
Screen 3	114	2 U	243	9.9	130	40.7	43	3.22 J	131	0.318 U	243	7.05
Screen 4	59.3	2 U	173	6.9	75.8	27.1	26	2.21 J	79.4	0.274 U	173	7.10
Screen 5	71.4	2 U	188	7	139	33.3	31.3	2.59 J	90.6	0.227 U	188	7.42
MW-22												
Screen 1	104	2 U	250	10.1	141	31.6	43.9	2.57 J	122	1.02 J	250	7.29
Screen 2	35.9	2 U	163	7.1	29.3	27.9	19.3	1.94 J	41.9	0.142 J	163	7.93
Screen 3	37.6	2 U	411	7.6	38.9	37.2	18.1	2.08 J	48.3	0.0751 J	411	7.80
Screen 4	12.3	2 U	14.9	3.9	7.9	25	9.67	1.4 J	30.3	0.168 J	14.9	7.75
Screen 5	8.7	57.8	59	0.08 U	38.2	69.8	0.993	0.966 J	5.71	0.109 J	59	8.90
MW-23												
Screen 1	112	2 U	244	12.9	167	32.8	46.4	2.69	135	0.988	244	6.92
Screen 2	89.6	2 U	206	12	109	33.5	37.5	2.69	99.9	0.0244 U	206	7.36
Screen 3	19.2	2 U	147	6.8	11.8	23.2	12.5	1.54	35	1.48	147	7.52
Screen 4	17.2	2 U	131	6.2	7.9	27.2	11.8	1.77	26.6	0.122	131	7.93
Screen 5	15.9	84.2	102	0.063 J	0.94 J	87.1	0.405	2.13	5	0.196	102	9.42
MW-24												
Screen 1	36.7	2 U	159	5.9	37.4	18.5	18.7	2.42	54.6	0.287	159	7.44
Screen 2	38.4	2.4	137	1.9	18.2	38.2	12.6	2.78	22.9	0.246	137	8.13
Screen 3	20.2	28.8	127	0.2	15.6	41.8	12.8	2.26	19.2	0.279	127	8.45
Screen 4	13	38.6	91.4	0.07 J	5.7	40.1	9.04	2.15	7.91	0.0254 U	91.4	8.76
Screen 5	10.2	2 U	164	1.3	18.3	37.5	9.3	1.89	29.3	0.0554 U	164	7.91

Notes

- J Estimated Value - Reported Between the Practical Quantitation Limit and the Method Detection Limit
U Indicates the compound or analyte was analyzed for but not detected at or above the stated limit

TABLE 4-2
GENERAL WATER TYPES OBSERVED DURING THE
APRIL - MAY 2004 SAMPLING EVENT
 (Interpreted with Stiff Diagrams)

Well/Screen Number	Water Type	Well/Screen Number	Water Type	Well/Screen Number	Water Type
MW-1	Type 1	MW-14		MW-21	
MW-3		Screen 1	Type 3	Screen 1	Type 3
Screen 1	Type 1	Screen 2	Type 3	Screen 2	Type 3
Screen 2	Type 1	Screen 3	Type 3	Screen 3	Type 3
Screen 3	Type 3,1,2	Screen 4	Type 1,2	Screen 4	Type 3,1
Screen 4	Type 2	Screen 5	Type 2	Screen 5	Type 3,1
Screen 5	Type 2	MW-15	Type 1	MW-22	
MW-4		MW-16	Type 1	Screen 1	Type 3
Screen 1	Type 1	MW-17		Screen 2	Type 1
Screen 2	Type 3	Screen 1	Type 1	Screen 3	Type 2
Screen 3	Type 2	Screen 2	Type 1	Screen 4	Type 2
Screen 4	Type 2	Screen 3	Type 1	Screen 5	Type 2
Screen 5	Type 2	Screen 4	Type 2	MW-23	
MW-5	Type 1	Screen 5	Type 2	Screen 1	Type 3
MW-6	Type 2,3	MW-18		Screen 2	Type 3
MW-7	Type 1	Screen 1	Type 1	Screen 3	Type 2
MW-8	Type 3	Screen 2	Type 1	Screen 4	Type 2
MW-9	Type 1	Screen 3	Type 1	Screen 5	Type 2
MW-10	Type 1,3	Screen 4	Type 2,1	MW-24	
MW-11		Screen 5	Type 2	Screen 1	Type 1
Screen 1	Type 1	MW-19		Screen 2	Type 2
Screen 2	Type 1	Screen 1	Type 1	Screen 3	Type 2
Screen 3	Type 1,2	Screen 2	Type 3	Screen 4	Type 1
Screen 4	Type 2	Screen 3	Type 3	Screen 5	Type 2
Screen 5	Type 2	Screen 4	Type 1,2	MW-20	
MW-12		Screen 5	Type 1,2	Screen 1	Type 1
Screen 1	Type 1	MW-20		Screen 2	Type 1
Screen 2	Type 1	Screen 1	Type 1	Screen 3	Type 2
Screen 3	Type 1	Screen 2	Type 1	Screen 4	Type 2
Screen 4	Type 1	Screen 3	Type 2	Screen 5	Type 2
Screen 5	Type 2	Screen 4	Type 2	MW-21	
MW-13	Type 1,2	Screen 5	Type 2	Screen 1	Type 3

General Water Types

Type 1: Calcium-bicarbonate groundwater

Type 2: Sodium-bicarbonate groundwater

Type 3: Calcium-bicarbonate/chloride/sulfate groundwater

Notes

Water type denoted by more than one number (e.g., Type 1,3) represent blends of the listed basic types, with the more dominant type listed first.

TABLE 4-3
SUMMARY OF QUALITY CONTROL ANALYSES OF WATER-CHEMISTRY DATA
FROM GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

Well Number	Total Anion (meq/L)	Total Cations (meq/L)	Total Ions (meq/L)	Charge Balance Error ⁽¹⁾ (%)	Measured TDS (mg/L)	Calculated TDS (mg/L)	Measured TDS/Calculated TDS ⁽²⁾ (unitless)
MW-1	5.1	6.0	11.1	7.8	353	396	0.9
MW-3							
Screen 1	4.1	5.3	9.4	12.1	320	326	1.0
Screen 2	3.7	4.6	8.2	10.9	247	285	0.9
Screen 3	3.6	4.3	7.9	8.5	237	269	0.9
Screen 4	3.3	4.0	7.2	9.2	230	266	0.9
Screen 5	3.0	5.4	8.3	29.0	191	274	0.7
MW-4							
Screen 1	3.8	4.4	8.2	6.8	245	293	0.8
Screen 2	9.1	10.6	19.7	7.7	556	641	0.9
Screen 3	3.7	4.5	8.3	10.2	199	287	0.7
Screen 4	3.2	3.8	7.0	7.9	190	251	0.8
Screen 5	3.0	4.1	7.1	16.6	157	222	0.7
MW-5	3.3	3.9	7.2	7.4	233	256	0.9
MW-6	9.3	10.6	19.9	6.5	687	657	1.0
MW-7	5.1	6.0	11.1	8.5	348	382	0.9
MW-8	3.9	4.3	8.2	5.5	282	297	1.0
MW-9	4.1	5.2	9.2	11.8	284	324	0.9
MW-10	10.1	11.3	21.5	5.7	812	708	1.1
MW-11							
Screen 1	4.9	5.3	10.2	3.7	320	370	0.9
Screen 2	4.0	4.5	8.5	5.1	276	308	0.9
Screen 3	3.8	4.2	8.0	5.6	241	295	0.8
Screen 4	2.4	2.3	4.7	1.6	134	165	0.8
Screen 5	2.9	2.8	5.8	1.3	194	214	0.9
MW-12							
Screen 1	4.2	4.6	8.8	4.6	296	318	0.9
Screen 2	4.6	4.9	9.5	3.1	302	350	0.9
Screen 3	3.6	4.1	7.6	6.2	234	274	0.9
Screen 4	4.3	4.8	9.1	5.2	299	336	0.9
Screen 5	3.7	4.1	7.7	5.5	253	288	0.9
MW-13	5.6	5.9	11.5	3.4	423	390	1.1

TABLE 4-3
SUMMARY OF QUALITY CONTROL ANALYSES OF WATER-CHEMISTRY DATA
FROM GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

Well Number	Total Anion (meq/L)	Total Cations (meq/L)	Total Ions (meq/L)	Charge Balance Error ⁽¹⁾ (%)	Measured TDS (mg/L)	Calculated TDS (mg/L)	Measured TDS/Calculated TDS ⁽²⁾ (unitless)
MW-14							
Screen 1	11.3	13.1	24.4	7.3	826	784	1.1
Screen 2	10.1	12.6	22.7	10.7	772	727	1.1
Screen 3	9.3	11.7	21.0	11.7	757	668	1.1
Screen 4	4.6	5.9	10.5	13.0	371	351	1.1
Screen 5	2.9	3.4	6.3	8.5	212	226	0.9
MW-15							
	4.7	5.4	10.1	6.6	314	359	0.9
MW-16							
	4.4	5.2	9.6	8.6	310	325	1.0
MW-17							
Screen 1	3.5	4.4	7.9	10.6	242	279	0.9
Screen 2	5.1	6.7	11.8	13.0	427	381	1.1
Screen 3	4.7	5.1	9.9	4.0	304	342	0.9
Screen 4	2.8	3.1	5.9	5.0	198	220	0.9
Screen 5	2.6	5.5	8.1	36.7	225	254	0.9
MW-18							
Screen 1	3.6	4.4	8.0	10.2	701	278	2.5
Screen 2	3.8	5.3	9.1	15.5	265	312	0.9
Screen 3	5.0	6.1	11.0	9.9	328	392	0.8
Screen 4	3.4	4.3	7.6	12.0	245	273	0.9
Screen 5	2.5	3.2	5.7	13.8	179	208	0.9
MW-19							
Screen 1	3.3	4.4	7.6	14.3	258	254	1.0
Screen 2	8.8	11.0	19.8	11.1	604	623	1.0
Screen 3	6.9	8.1	15.0	7.8	436	507	0.9
Screen 4	5.2	6.2	11.4	8.6	450	379	1.2
Screen 5	4.5	6.4	11.0	17.4	448	336	1.3
MW-20							
Screen 1	4.1	5.0	9.1	10.0	299	317	0.9
Screen 2	3.0	3.7	6.7	10.4	196	235	0.8
Screen 3	4.7	5.9	10.6	11.0	335	372	0.9
Screen 4	3.5	3.4	6.9	0.7	193	277	0.7
Screen 5	2.7	3.5	6.2	12.6	179	233	0.8

TABLE 4-3
SUMMARY OF QUALITY CONTROL ANALYSES OF WATER-CHEMISTRY DATA
FROM GROUNDWATER SAMPLES COLLECTED FROM JPL MONITORING WELLS
APRIL - MAY 2004

Well Number	Total Anion (meq/L)	Total Cations (meq/L)	Total Ions (meq/L)	Charge Balance Error ⁽¹⁾ (%)	Measured TDS (mg/L)	Calculated TDS (mg/L)	Measured TDS/Calculated TDS ⁽²⁾ (unitless)
MW-21							
Screen 1	10.3	11.7	22.0	6.8	771	701	1.1
Screen 2	12.3	13.9	26.2	6.1	851	857	1.0
Screen 3	10.1	11.9	22.0	8.5	664	712	0.9
Screen 4	6.2	7.3	13.5	8.4	447	448	1.0
Screen 5	8.1	8.6	16.7	3.0	543	561	1.0
MW-22							
Screen 1	10.1	11.2	21.3	5.0	649	703	0.9
Screen 2	4.4	4.9	9.4	5.8	292	324	0.9
Screen 3	8.7	5.6	14.3	22.0	322	599	0.5
Screen 4	0.8	3.4	4.3	61.6	203	104	2.0
Screen 5	3.9	3.4	7.4	6.8	203	240	0.8
MW-23							
Screen 1	10.8	12.1	22.9	5.5	829	754	1.1
Screen 2	8.4	9.6	18.0	6.9	632	590	1.1
Screen 3	3.3	3.9	7.2	8.3	261	259	1.0
Screen 4	2.9	3.5	6.4	9.9	215	230	0.9
Screen 5	4.9	4.1	9.1	8.9	247	297	0.8
MW-24							
Screen 1	4.5	5.1	9.7	6.5	316	334	0.9
Screen 2	3.8	3.9	7.7	1.4	241	275	0.9
Screen 3	3.9	3.9	7.8	0.5	218	268	0.8
Screen 4	3.3	2.9	6.2	5.4	158	208	0.8
Screen 5	3.4	3.9	7.3	7.3	205	272	0.8

Notes

(1) Ideal error range between 0 and 5 percent. Values between 5 and 10 percent also considered acceptable for intended use.

(2) Ideal values range between 0.8 and 1.2.

meq/L Milliequivalents per liter

mg/L Milligrams per liter

TABLE 6-1
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
APRIL 26 & 29, 2004

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-1	Shallow	4/26/04	21.8	1,116.69	1,094.89
MW-3	1 (top)	4/26/04	86.34	1,100.34	1,014.00
	2	4/26/04	87.95	1,100.34	1,012.39
	3	4/26/04	87.80	1,100.34	1,012.54
	4	4/26/04	92.06	1,100.34	1,008.28
	5	4/26/04	92.35	1,100.34	1,007.99
MW-4	1 (top)	4/26/04	65.63	1,082.84	1,017.21
	2	4/26/04	68.84	1,082.84	1,014.00
	3	4/26/04	68.90	1,082.84	1,013.94
	4	4/26/04	69.44	1,082.84	1,013.40
	5	4/26/04	69.59	1,082.84	1,013.25
MW-5	Shallow	4/26/04	54.5	1,071.62	1,017.12
MW-6	Shallow	4/26/04	165.5	1,188.54	1,023.04
MW-7	Shallow	4/26/04	194.75	1,212.90	1,018.15
MW-8	Shallow	4/26/04	120	1,139.55	1,019.55
MW-9	Shallow	4/26/04	17.7	1,106.06	1,088.36
MW-10	Shallow	4/26/04	70.3	1,087.73	1,017.43
MW-11	1 (top)	4/26/04	102.72	1,139.30	1,036.58
	2	4/26/04	118.93	1,139.30	1,020.37
	3	4/26/04	122.10	1,139.30	1,017.20
	4	4/26/04	118.38	1,139.30	1,020.92
	5	4/26/04	133.31	1,139.30	1,005.99
MW-12	1 (top)	4/26/04	81.36	1,102.14	1,020.78
	2	4/26/04	86.68	1,102.14	1,015.46
	3	4/26/04	87.25	1,102.14	1,014.89
	4	4/26/04	87.67	1,102.14	1,014.47
	5	4/26/04	92.23	1,102.14	1,009.91
MW-13	Shallow	4/26/04	164.1	1,183.49	1,019.39
MW-14	1 (top)	4/26/04	149.07	1,173.47	1,024.40
	2	4/26/04	NM	1,173.47	NM
	3	4/26/04	148.83	1,173.47	1,024.64
	4	4/26/04	151.08	1,173.47	1,022.39
	5	4/26/04	148.76	1,173.47	1,024.71
MW-15	Shallow	4/26/04	28.2	1,120.68	1,092.48
MW-16	Shallow	4/26/04	217.5	1,236.29	1,018.79
MW-17	1 (top)	4/26/04	NM	1,191.21	NM
	2	4/26/04	NM	1,191.21	NM
	3	4/26/04	NM	1,191.21	NM
	4	4/26/04	NM	1,191.21	NM
	5	4/26/04	NM	1,191.21	NM

TABLE 6-1
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
APRIL 26 & 29, 2004

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-18	1 (top)	4/26/04	222.25	1,225.41	1,003.16
	2	4/26/04	223.79	1,225.41	1,001.62
	3	4/26/04	218.75	1,225.41	1,006.66
	4	4/26/04	221.89	1,225.41	1,003.52
	5	4/26/04	223.68	1,225.41	1,001.73
MW-19	1 (top)	4/29/04	139.50	1,142.94	1,003.44
	2	4/29/04	138.85	1,142.94	1,004.09
	3	4/29/04	137.91	1,142.94	1,005.03
	4	4/29/04	137.49	1,142.94	1,005.45
	5	4/29/04	137.53	1,142.94	1,005.41
MW-20	1 (top)	4/26/04	175.23	1,165.05	989.82
	2	4/26/04	173.53	1,165.05	991.52
	3	4/26/04	171.79	1,165.05	993.26
	4	4/26/04	168.10	1,165.05	996.95
	5	4/26/04	172.63	1,165.05	992.42
MW-21	1 (top)	4/26/04	41.32	1,059.10	1,017.78
	2	4/26/04	39.88	1,059.10	1,019.22
	3	4/26/04	39.91	1,059.10	1,019.19
	4	4/26/04	40.87	1,059.10	1,018.23
	5	4/26/04	40.92	1,059.10	1,018.18
MW-22	1 (top)	4/26/04	150.99	1,176.98	1,025.99
	2	4/26/04	155.56	1,176.98	1,021.42
	3	4/26/04	155.37	1,176.98	1,021.61
	4	4/26/04	157.84	1,176.98	1,019.14
	5	4/26/04	160.07	1,176.98	1,016.91
MW-23	1 (top)	4/26/04	89.84	1,108.84	1,019.00
	2	4/26/04	90.53	1,108.84	1,018.31
	3	4/26/04	90.45	1,108.84	1,018.39
	4	4/26/04	92.76	1,108.84	1,016.08
	5	4/26/04	93.01	1,108.84	1,015.83
MW-24	1 (top)	4/26/04	NM	1,200.94	NM
	2	4/26/04	183.41	1,200.94	1,017.53
	3	4/26/04	183.70	1,200.94	1,017.24
	4	4/26/04	185.83	1,200.94	1,015.11
	5	4/26/04	188.27	1,200.94	1,012.67

Notes

Ft. Feet

MSL Mean Sea Level

NM Water level not measured during this event due to equipment error.

TABLE 6-2
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
MAY 26 & 27

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-1	Shallow	5/26/04	26.7	1,116.69	1,089.99
	1 (top)	5/27/04	89.66	1,100.34	1,010.68
	2	5/27/04	90.79	1,100.34	1,009.55
MW-3	3	5/27/04	90.80	1,100.34	1,009.54
	4	5/27/04	95.05	1,100.34	1,005.29
	5	5/27/04	95.40	1,100.34	1,004.94
	1 (top)	5/27/04	69.09	1,082.84	1,013.75
	2	5/27/04	71.96	1,082.84	1,010.88
MW-4	3	5/27/04	72.11	1,082.84	1,010.73
	4	5/27/04	72.69	1,082.84	1,010.15
	5	5/27/04	72.91	1,082.84	1,009.93
MW-5	Shallow	5/26/04	57.9	1,071.62	1,013.72
MW-6	Shallow	5/26/04	169.17	1,188.54	1,019.37
MW-7	Shallow	5/26/04	197.11	1,212.90	1,015.79
MW-8	Shallow	5/26/04	123.3	1,139.55	1,016.25
MW-9	Shallow	5/26/04	21.1	1,106.06	1,084.96
MW-10	Shallow	5/26/04	73.47	1,087.73	1,014.26
	1 (top)	5/27/04	104.66	1,139.30	1,034.64
	2	5/27/04	122.13	1,139.30	1,017.17
MW-11	3	5/27/04	125.49	1,139.30	1,013.81
	4	5/27/04	121.41	1,139.30	1,017.89
	5	5/27/04	136.42	1,139.30	1,002.88
	1 (top)	5/27/04	85.67	1,102.14	1,016.47
	2	5/27/04	89.63	1,102.14	1,012.51
MW-12	3	5/27/04	90.22	1,102.14	1,011.92
	4	5/27/04	90.73	1,102.14	1,011.41
	5	5/27/04	95.25	1,102.14	1,006.89
MW-13	Shallow	5/26/04	167.35	1,183.49	1,016.14
	1 (top)	5/27/04	152.79	1,173.47	1,020.68
	2	5/27/04	153.76	1,173.47	1,019.71
MW-14	3	5/27/04	154.05	1,173.47	1,019.42
	4	5/27/04	154.13	1,173.47	1,019.34
	5	5/27/04	154.38	1,173.47	1,019.09
MW-15	Shallow	5/26/04	32.2	1,120.68	1,088.48
MW-16	Shallow	5/26/04	220.12	1,236.29	1,016.17
	1 (top)	5/27/04	185.50	1,191.21	1,005.71
	2	5/27/04	186.27	1,191.21	1,004.94
MW-17	3	5/27/04	189.08	1,191.21	1,002.13
	4	5/27/04	188.85	1,191.21	1,002.36
	5	5/27/04	187.85	1,191.21	1,003.36

TABLE 6-2
GROUNDWATER MONITORING WELL WATER LEVEL MEASUREMENTS
MAY 26 & 27

Well Number	Screen Number	Date Measured	Depth to Water (Ft.)	Reference Elevation (Ft. + MSL)	Water Level Elevation (Ft. + MSL)
MW-18	1 (top)	5/27/04	222.43	1,225.41	1,002.98
	2	5/27/04	221.94	1,225.41	1,003.47
	3	5/27/04	220.31	1,225.41	1,005.10
	4	5/27/04	223.53	1,225.41	1,001.88
	5	5/27/04	225.25	1,225.41	1,000.16
MW-19	1 (top)	5/27/04	141.18	1,142.94	1,001.76
	2	5/27/04	140.79	1,142.94	1,002.15
	3	5/27/04	140.05	1,142.94	1,002.89
	4	5/27/04	139.82	1,142.94	1,003.12
	5	5/27/04	139.91	1,142.94	1,003.03
MW-20	1 (top)	5/27/04	177.26	1,165.05	987.79
	2	5/27/04	176.60	1,165.05	988.45
	3	5/27/04	188.96	1,165.05	976.09
	4	5/27/04	172.78	1,165.05	992.27
	5	5/27/04	173.69	1,165.05	991.36
MW-21	1 (top)	5/27/04	44.58	1,059.10	1,014.52
	2	5/27/04	43.50	1,059.10	1,015.60
	3	5/27/04	43.65	1,059.10	1,015.45
	4	5/27/04	44.72	1,059.10	1,014.38
	5	5/27/04	44.80	1,059.10	1,014.30
MW-22	1 (top)	5/27/04	159.83	1,176.98	1,017.15
	2	5/27/04	159.55	1,176.98	1,017.43
	3	5/27/04	159.49	1,176.98	1,017.49
	4	5/27/04	161.74	1,176.98	1,015.24
	5	5/27/04	163.79	1,176.98	1,013.19
MW-23	1 (top)	5/27/04	96.74	1,108.84	1,012.10
	2	5/27/04	98.02	1,108.84	1,010.82
	3	5/27/04	99.12	1,108.84	1,009.72
	4	5/27/04	98.44	1,108.84	1,010.40
	5	5/27/04	98.46	1,108.84	1,010.38
MW-24	1 (top)	5/27/04	184.69	1,200.94	1,016.25
	2	5/27/04	186.73	1,200.94	1,014.21
	3	5/27/04	187.37	1,200.94	1,013.57
	4	5/27/04	189.37	1,200.94	1,011.57
	5	5/27/04	191.66	1,200.94	1,009.28

Notes

Ft. Feet

MSL Mean Sea Level